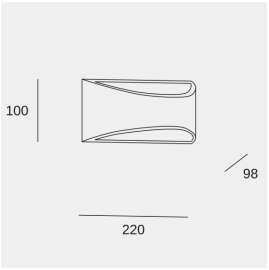
Instrucciones de montaje
Datos Fotométricos

# Kapa

## PX-0468-BLA

Superficie de Pared IP54 Kapa LED 10W 3000K ON-OFF Blanco 945.00






### CARACTERÍSTICAS TÉCNICAS

IP54 IK10

**Potencia total luminaria :** 10W

**Lúmenes reales :** 444

**Lúmenes nominales :** 945

**Lm / W reales :** 44

**Ángulo Ópticas / Reflector :** HORIZONTAL 109º

**Material de la estructura :** Aluminio

**Acabado estructura :** Blanco

**Material del difusor :** Policarbonato

**Acabado difusor :** Opal

**Voltaje / Frecuencia :** 220-240V/50-60Hz

**Protocolo de regulación :** ON-OFF

**Power Factor :** 0.73

**Vida útil :** 36.000h L70B30

**Garantía :** 5 Años

**Resistencia a la corrosión (ensayo de Niebla Salina Neutra según ISO 9227) :** No

Luminaria fácilmente reciclable

### CARACTERÍSTICAS LUMINOTÉCNICAS

**CRI:** 80

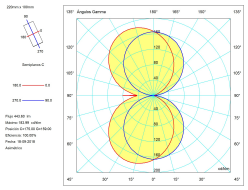
**MacAdam steps:** 3

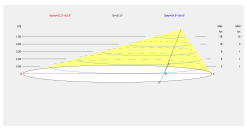
**Riesgo fotobiológico:** RG0

**UGR**

**UGR Transversal:** 19.8

**UGR Longitudinal:** 14.3





| Portalámparas | Cantidad | Potencia fuente de luz (W) | Temperatura de color correlacionada (CCT) |
|---|---|---|---|
| LED | 1 | 8.7W | 3000K |

### LOGÍSTICA

**Peso neto (Kg):** 0.41

**Peso embalado (Kg):** 0.49

12 Un

## APLICACIÓN DE LA LUMINARIA



La imagen puede no coincidir con la referencia, LEDS C4 se reserva el derecho de modificación de alguno de los componentes que componen el producto. Los datos relativos al flujo, la potencia y la Temperatura de Color están sujetos a una tolerancia de +- 10%.

**Luminaria**
Código PX-0468-BLA
Nombre KAPA
**Ensayo**
Código PX-0468-BLA
Nombre KAPA

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Flujo Luminaria | 443.60 lm | Potencia luminaria | 10.30 W | Eficacia | 43.07 lm/W | Eficiencia | 100.00% |
| Flujo de Lámpara | 443.60 lm | Valor Máximo | 183.99 cd/klm | Posición | C=175.00 G=159.00 | CG | Asimétrico |

| | | | | | |
|---|---|---|---|---|---|
| Luminaria Rectangular | Longit. | 220 mm | Anchura | 100 mm | Altura | 1 mm |
| Área Luminosa Rectangular | Longit. | 210 mm | Anchura | 210 mm | Altura | 0 mm |

| | | | |
|---|---|---|---|
| Área Luminosa Horizontal | 0.044100 m2 | Área Emisión sobre Pl. 180° | 0.000000 m2 |
| Área Emisión sobre Pl. 0° | 0.000000 m2 | Área Emisión sobre Pl. 270° | 0.000000 m2 |
| Área Emisión sobre Pl. 90° | 0.000000 m2 | Área de deslumbramiento a 76° | 0.010669 m2 |

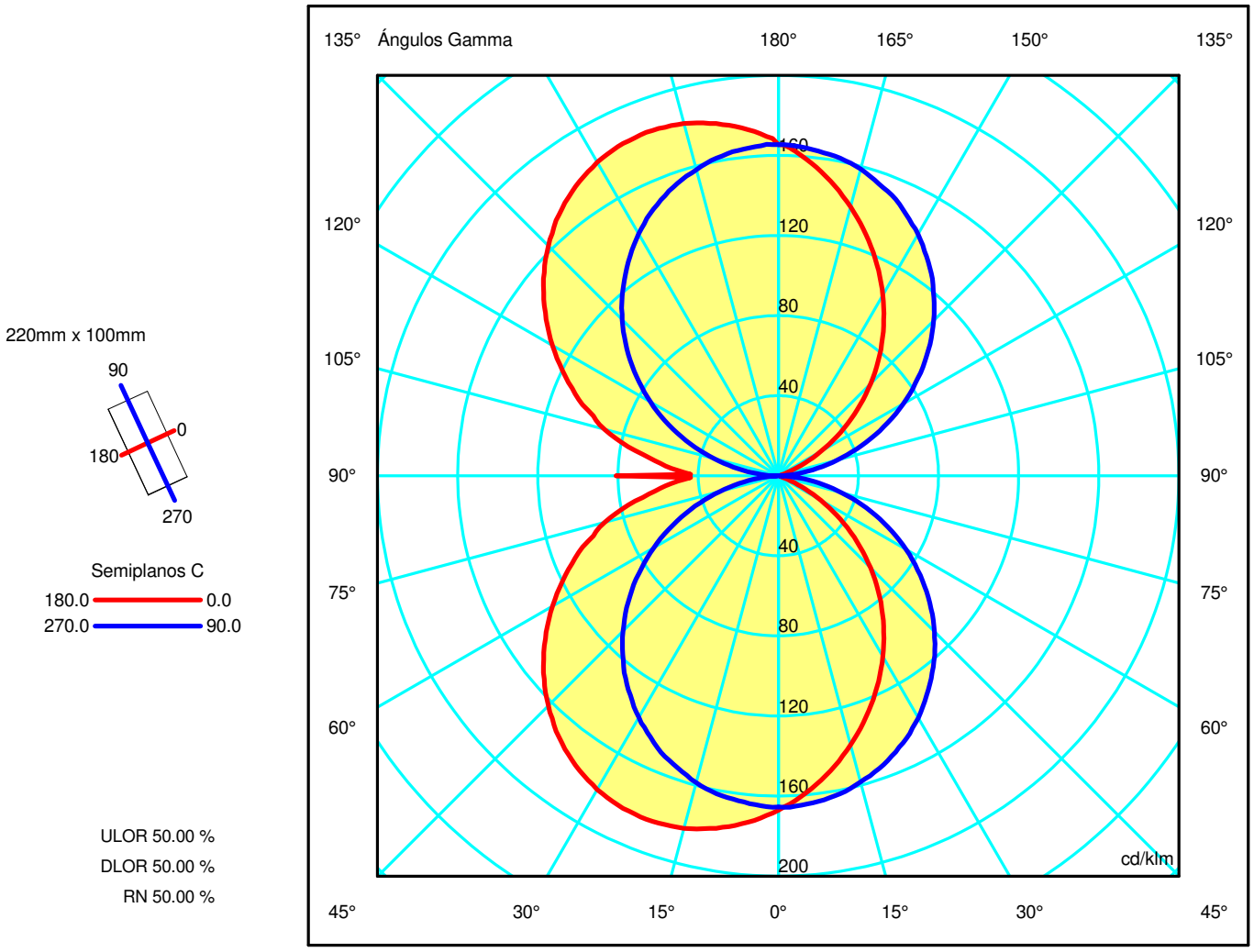
| | | | |
|---|---|---|---|
| Sist. de Coorden. | CG | Tipo de Simetría | Asimétrico |
| Fecha | 18-09-2018 | Máximo Ángulo Gamma | 180 |
| Distancia de Ensayo | 0.00 | Flujo de Ensayo | 443.60 lm |

| | | | |
|---|---|---|---|
| Operador | qualitat | Tensión de alimentación [V] | |
| Temperatura | 25.00 °C | Corriente de alimentación [A] | |
| Humedad | 60.00 % | Fotocélula | |
| Notas | | | |

**Lámparas de la Luminaria**

| Familia | Código | Nombre | Flujo [lm] | Pot. [W] | Cant. |
|---|---|---|---|---|---|
| | PX-0468-ANT | PX-0468-ANT | 443.60 | 10.30 | 1 |

| | | | |
|---|---|---|---|
| C.I.E. | 45 75 92 50 100 | D DIN 5040 | C31 |
| F UTE | 0.50 E + 0.50 T | B NBN | BZ 5 |




220mm x 100mm




Semiplanos C
180.0 — 0.0
270.0 — 90.0

ULOR 50.00 %
DLOR 50.00 %
RN 50.00 %

**Luminaria**
Código PX-0468-BLA
Nombre KAPA
**Ensayo**
Código PX-0468-BLA
Nombre KAPA

| | | | | | | |
|---|---|---|---|---|---|---|
| Flujo Luminaria | 443.60 lm | Potencia luminaria | 10.30 W | Eficacia | 43.07 lm/W | Eficiencia | 100.00% |
| Flujo de Lámpara | 443.60 lm | Valor Máximo | 183.99 cd/klm | Posición | C=175.00 G=159.00 | CG | Asimétrico |

**Tabla de Intensidad Luminosa cd/klm** **Tabla 1/18**

| | C 0.00 | C 5.00 | C 10.00 | C 15.00 | C 20.00 | C 25.00 | C 30.00 | C 35.00 | C 40.00 | C 45.00 | C 50.00 | C 55.00 | C 60.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 0.0 | 166.94 | 166.96 | 166.96 | 166.95 | 166.90 | 166.82 | 166.72 | 166.60 | 166.46 | 166.29 | 166.11 | 166.00 | 166.04 |
| G 1.0 | 165.38 | 165.42 | 165.45 | 165.47 | 165.48 | 165.49 | 165.49 | 165.48 | 165.46 | 165.38 | 165.25 | 165.17 | 165.26 |
| G 2.0 | 164.02 | 163.97 | 163.92 | 163.90 | 163.90 | 163.93 | 163.97 | 164.01 | 164.05 | 164.10 | 164.17 | 164.29 | 164.49 |
| G 3.0 | 162.35 | 162.37 | 162.41 | 162.49 | 162.61 | 162.73 | 162.80 | 162.80 | 162.77 | 162.77 | 162.86 | 163.09 | 163.51 |
| G 4.0 | 160.57 | 160.57 | 160.57 | 160.58 | 160.75 | 160.99 | 161.23 | 161.43 | 161.60 | 161.76 | 161.96 | 162.25 | 162.70 |
| G 5.0 | 158.98 | 159.04 | 159.10 | 159.17 | 159.25 | 159.36 | 159.51 | 159.71 | 159.97 | 160.26 | 160.61 | 161.05 | 161.64 |
| G 6.0 | 157.09 | 157.14 | 157.18 | 157.23 | 157.48 | 157.79 | 158.09 | 158.32 | 158.55 | 158.86 | 159.32 | 159.92 | 160.65 |
| G 7.0 | 155.28 | 155.31 | 155.35 | 155.38 | 155.70 | 156.12 | 156.53 | 156.87 | 157.18 | 157.54 | 158.01 | 158.64 | 159.42 |
| G 8.0 | 153.49 | 153.56 | 153.62 | 153.69 | 153.97 | 154.34 | 154.74 | 155.11 | 155.51 | 156.02 | 156.71 | 157.53 | 158.44 |
| G 9.0 | 151.51 | 151.54 | 151.63 | 151.84 | 152.21 | 152.66 | 153.12 | 153.52 | 153.93 | 154.46 | 155.18 | 156.09 | 157.11 |
| G 10.0 | 149.56 | 149.61 | 149.69 | 149.84 | 150.10 | 150.47 | 150.96 | 151.58 | 152.30 | 153.10 | 153.96 | 154.90 | 155.95 |
| G 11.0 | 147.55 | 147.70 | 147.86 | 148.06 | 148.32 | 148.66 | 149.13 | 149.74 | 150.50 | 151.37 | 152.34 | 153.41 | 154.56 |
| G 12.0 | 145.62 | 145.73 | 145.84 | 145.95 | 146.39 | 146.94 | 147.54 | 148.10 | 148.72 | 149.52 | 150.57 | 151.81 | 153.16 |
| G 13.0 | 143.34 | 143.39 | 143.53 | 143.81 | 144.29 | 144.92 | 145.61 | 146.30 | 147.06 | 147.97 | 149.10 | 150.40 | 151.78 |
| G 14.0 | 141.28 | 141.37 | 141.54 | 141.85 | 142.36 | 143.01 | 143.75 | 144.51 | 145.34 | 146.30 | 147.45 | 148.77 | 150.20 |
| G 15.0 | 139.22 | 139.35 | 139.55 | 139.87 | 140.37 | 141.01 | 141.72 | 142.49 | 143.36 | 144.40 | 145.68 | 147.14 | 148.73 |
| G 16.0 | 136.94 | 137.00 | 137.16 | 137.52 | 138.16 | 138.98 | 139.86 | 140.71 | 141.61 | 142.69 | 144.04 | 145.60 | 147.28 |
| G 17.0 | 134.85 | 134.96 | 135.14 | 135.48 | 136.03 | 136.76 | 137.61 | 138.53 | 139.59 | 140.82 | 142.28 | 143.91 | 145.64 |
| G 18.0 | 132.65 | 132.68 | 132.84 | 133.23 | 133.94 | 134.86 | 135.85 | 136.79 | 137.78 | 138.97 | 140.44 | 142.14 | 143.95 |
| G 19.0 | 130.37 | 130.52 | 130.68 | 130.84 | 131.57 | 132.55 | 133.64 | 134.75 | 135.91 | 137.23 | 138.76 | 140.48 | 142.32 |
| G 20.0 | 128.15 | 128.23 | 128.41 | 128.80 | 129.47 | 130.35 | 131.38 | 132.47 | 133.70 | 135.13 | 136.82 | 138.69 | 140.65 |
| G 21.0 | 125.81 | 125.87 | 126.06 | 126.50 | 127.27 | 128.27 | 129.36 | 130.44 | 131.61 | 133.01 | 134.74 | 136.71 | 138.78 |
| G 22.0 | 123.46 | 123.52 | 123.70 | 124.14 | 124.93 | 125.96 | 127.10 | 128.27 | 129.54 | 131.04 | 132.84 | 134.88 | 137.04 |
| G 23.0 | 121.22 | 121.34 | 121.56 | 121.99 | 122.69 | 123.62 | 124.72 | 125.95 | 127.34 | 128.97 | 130.86 | 132.96 | 135.15 |
| G 24.0 | 118.82 | 118.91 | 119.12 | 119.59 | 120.39 | 121.44 | 122.63 | 123.87 | 125.23 | 126.83 | 128.74 | 130.90 | 133.19 |
| G 25.0 | 116.44 | 116.53 | 116.76 | 117.25 | 118.10 | 119.20 | 120.43 | 121.69 | 123.08 | 124.75 | 126.79 | 129.09 | 131.46 |
| G 26.0 | 114.16 | 114.22 | 114.43 | 114.90 | 115.74 | 116.86 | 118.11 | 119.42 | 120.88 | 122.63 | 124.74 | 127.11 | 129.55 |
| G 27.0 | 111.72 | 111.87 | 112.14 | 112.66 | 113.52 | 114.62 | 115.87 | 117.19 | 118.66 | 120.44 | 122.60 | 125.01 | 127.52 |
| G 28.0 | 109.15 | 109.19 | 109.39 | 109.91 | 110.85 | 112.11 | 113.52 | 114.98 | 116.57 | 118.40 | 120.56 | 122.97 | 125.52 |
| G 29.0 | 106.79 | 106.94 | 107.21 | 107.72 | 108.57 | 109.71 | 111.04 | 112.51 | 114.18 | 116.12 | 118.38 | 120.88 | 123.50 |
| G 30.0 | 104.37 | 104.47 | 104.71 | 105.24 | 106.14 | 107.35 | 108.73 | 110.21 | 111.87 | 113.83 | 116.15 | 118.74 | 121.42 |
| G 31.0 | 101.78 | 101.84 | 102.07 | 102.63 | 103.63 | 104.95 | 106.43 | 107.94 | 109.59 | 111.55 | 113.93 | 116.59 | 119.35 |
| G 32.0 | 99.24 | 99.39 | 99.68 | 100.26 | 101.22 | 102.49 | 103.97 | 105.56 | 107.34 | 109.40 | 111.83 | 114.51 | 117.30 |
| G 33.0 | 96.74 | 96.87 | 97.15 | 97.74 | 98.73 | 100.05 | 101.53 | 103.10 | 104.85 | 106.91 | 109.37 | 112.12 | 114.97 |
| G 34.0 | 94.10 | 94.23 | 94.51 | 95.14 | 96.22 | 97.63 | 99.20 | 100.82 | 102.60 | 104.71 | 107.25 | 110.08 | 112.99 |
| G 35.0 | 91.59 | 91.73 | 92.04 | 92.66 | 93.70 | 95.08 | 96.64 | 98.29 | 100.12 | 102.28 | 104.85 | 107.71 | 110.68 |
| G 36.0 | 89.07 | 89.15 | 89.41 | 90.02 | 91.11 | 92.55 | 94.19 | 95.89 | 97.75 | 99.93 | 102.52 | 105.39 | 108.39 |
| G 37.0 | 86.38 | 86.52 | 86.83 | 87.48 | 88.58 | 90.04 | 91.68 | 93.40 | 95.29 | 97.51 | 100.15 | 103.09 | 106.15 |
| G 38.0 | 83.72 | 83.89 | 84.23 | 84.89 | 86.00 | 87.44 | 89.09 | 90.82 | 92.76 | 95.04 | 97.75 | 100.78 | 103.93 |
| G 39.0 | 81.35 | 81.45 | 81.72 | 82.32 | 83.37 | 84.80 | 86.47 | 88.31 | 90.35 | 92.68 | 95.36 | 98.30 | 101.41 |
| G 40.0 | 78.65 | 78.74 | 79.01 | 79.66 | 80.81 | 82.34 | 84.06 | 85.84 | 87.81 | 90.14 | 92.94 | 96.06 | 99.29 |
| G 41.0 | 75.90 | 76.02 | 76.32 | 77.00 | 78.17 | 79.71 | 81.47 | 83.30 | 85.33 | 87.71 | 90.55 | 93.69 | 96.94 |
| G 42.0 | 73.25 | 73.35 | 73.64 | 74.32 | 75.51 | 77.08 | 78.86 | 80.71 | 82.74 | 85.11 | 87.93 | 91.07 | 94.35 |
| G 43.0 | 70.54 | 70.70 | 71.04 | 71.74 | 72.93 | 74.50 | 76.28 | 78.15 | 80.23 | 82.66 | 85.54 | 88.74 | 92.05 |
| G 44.0 | 67.78 | 67.92 | 68.25 | 68.97 | 70.20 | 71.83 | 73.67 | 75.59 | 77.70 | 80.15 | 83.04 | 86.26 | 89.63 |
| G 45.0 | 65.15 | 65.29 | 65.62 | 66.32 | 67.53 | 69.14 | 70.98 | 72.95 | 75.12 | 77.62 | 80.51 | 83.71 | 87.08 |
| G 46.0 | 62.34 | 62.54 | 62.92 | 63.67 | 64.91 | 66.54 | 68.39 | 70.33 | 72.48 | 74.98 | 77.93 | 81.20 | 84.62 |
| G 47.0 | 59.60 | 59.77 | 60.14 | 60.91 | 62.20 | 63.89 | 65.78 | 67.76 | 69.92 | 72.44 | 75.43 | 78.76 | 82.22 |
| G 48.0 | 56.93 | 57.08 | 57.42 | 58.15 | 59.40 | 61.07 | 62.99 | 65.05 | 67.31 | 69.90 | 72.90 | 76.18 | 79.60 |
| G 49.0 | 54.18 | 54.35 | 54.72 | 55.49 | 56.78 | 58.48 | 60.40 | 62.41 | 64.62 | 67.20 | 70.24 | 73.61 | 77.11 |
| G 50.0 | 51.40 | 51.57 | 51.94 | 52.72 | 54.03 | 55.76 | 57.72 | 59.77 | 62.01 | 64.61 | 67.66 | 71.03 | 74.55 |
| G 51.0 | 48.69 | 48.84 | 49.19 | 49.96 | 51.29 | 53.04 | 55.02 | 57.10 | 59.38 | 62.03 | 65.13 | 68.55 | 72.09 |
| G 52.0 | 45.92 | 46.10 | 46.48 | 47.26 | 48.58 | 50.33 | 52.31 | 54.39 | 56.68 | 59.33 | 62.43 | 65.86 | 69.43 |
| G 53.0 | 43.15 | 43.31 | 43.69 | 44.49 | 45.85 | 47.63 | 49.63 | 51.70 | 53.96 | 56.59 | 59.73 | 63.21 | 66.84 |
| G 54.0 | 40.48 | 40.64 | 41.00 | 41.77 | 43.10 | 44.85 | 46.87 | 49.01 | 51.36 | 54.07 | 57.20 | 60.65 | 64.24 |
| G 55.0 | 37.80 | 37.98 | 38.36 | 39.14 | 40.46 | 42.20 | 44.19 | 46.30 | 48.62 | 51.30 | 54.45 | 57.92 | 61.54 |
| G 56.0 | 35.05 | 35.21 | 35.58 | 36.38 | 37.74 | 39.53 | 41.55 | 43.64 | 45.93 | 48.60 | 51.75 | 55.25 | 58.93 |
| G 57.0 | 32.37 | 32.53 | 32.89 | 33.68 | 35.03 | 36.82 | 38.86 | 41.00 | 43.34 | 46.01 | 49.12 | 52.55 | 56.16 |
| G 58.0 | 29.80 | 29.94 | 30.30 | 31.09 | 32.45 | 34.24 | 36.24 | 38.31 | 40.56 | 43.18 | 46.28 | 49.76 | 53.42 |
| G 59.0 | 27.12 | 27.31 | 27.70 | 28.50 | 29.85 | 31.62 | 33.61 | 35.70 | 37.96 | 40.57 | 43.63 | 47.03 | 50.66 |
| G 60.0 | 24.63 | 24.79 | 25.15 | 25.92 | 27.24 | 28.98 | 30.97 | 33.06 | 35.34 | 37.95 | 40.96 | 44.32 | 47.90 |
| G 61.0 | 22.14 | 22.30 | 22.67 | 23.44 | 24.75 | 26.45 | 28.37 | 30.36 | 32.53 | 35.06 | 38.07 | 41.47 | 45.09 |
| G 62.0 | 19.63 | 19.80 | 20.18 | 20.95 | 22.26 | 23.96 | 25.86 | 27.81 | 29.93 | 32.42 | 35.39 | 38.76 | 42.39 |
| G 63.0 | 17.22 | 17.38 | 17.73 | 18.49 | 19.79 | 21.47 | 23.34 | 25.25 | 27.33 | 29.77 | 32.71 | 36.07 | 39.69 |
| G 64.0 | 14.96 | 15.13 | 15.49 | 16.23 | 17.47 | 19.08 | 20.84 | 22.63 | 24.60 | 26.99 | 29.94 | 33.34 | 37.00 |
| G 65.0 | 12.71 | 12.87 | 13.22 | 13.95 | 15.18 | 16.77 | 18.47 | 20.15 | 22.00 | 24.31 | 27.26 | 30.71 | 34.41 |
| G 66.0 | 10.57 | 10.73 | 11.06 | 11.76 | 12.94 | 14.44 | 16.07 | 17.68 | 19.48 | 21.75 | 24.68 | 28.10 | 31.78 |
| G 67.0 | 8.62 | 8.78 | 9.10 | 9.75 | 10.84 | 12.23 | 13.73 | 15.24 | 16.95 | 19.17 | 22.08 | 25.50 | 29.15 |
| G 68.0 | 6.71 | 6.86 | 7.18 | 7.80 | 8.84 | 10.15 | 11.56 | 12.96 | 14.58 | 16.71 | 19.57 | 22.95 | 26.59 |
| G 69.0 | 4.92 | 5.09 | 5.39 | 5.95 | 6.88 | 8.06 | 9.37 | 10.73 | 12.33 | 14.45 | 17.26 | 20.58 | 24.14 |
| G 70.0 | 3.34 | 3.58 | 3.90 | 4.40 | 5.14 | 6.10 | 7.22 | 8.48 | 10.06 | 12.14 | 14.88 | 18.09 | 21.55 |
| G 71.0 | 2.36 | 2.39 | 2.52 | 2.84 | 3.44 | 4.27 | 5.28 | 6.46 | 7.96 | 9.97 | 12.62 | 15.75 | 19.14 |
| G 72.0 | 1.37 | 1.48 | 1.62 | 1.83 | 2.16 | 2.66 | 3.41 | 4.48 | 5.96 | 7.97 | 10.54 | 13.55 | 16.81 |

**Luminaria**
Código PX-0468-BLA
Nombre KAPA
**Ensayo**
Código PX-0468-BLA
Nombre KAPA

| | | | | | | |
|---|---|---|---|---|---|---|
| Flujo Luminaria | 443.60 lm | Potencia luminaria | 10.30 W | Eficacia | 43.07 lm/W | Eficiencia | 100.00% |
| Flujo de Lámpara | 443.60 lm | Valor Máximo | 183.99 cd/klm | Posición | C=175.00 G=159.00 | CG | Asimétrico |

**Tabla de Intensidad Luminosa cd/klm** **Tabla 2/18**

| | C 65.00 | C 70.00 | C 75.00 | C 80.00 | C 85.00 | C 90.00 | C 95.00 | C 100.00 | C 105.00 | C 110.00 | C 115.00 | C 120.00 | C 125.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 0.0 | 166.29 | 166.56 | 166.65 | 166.38 | 165.91 | 165.44 | 165.14 | 165.02 | 165.04 | 165.14 | 165.28 | 165.38 | 165.37 |
| G 1.0 | 165.58 | 165.97 | 166.20 | 166.12 | 165.83 | 165.51 | 165.32 | 165.29 | 165.43 | 165.73 | 166.08 | 166.35 | 166.36 |
| G 2.0 | 164.81 | 165.15 | 165.44 | 165.51 | 165.59 | 165.66 | 165.72 | 165.78 | 165.84 | 166.09 | 166.39 | 166.69 | 166.93 |
| G 3.0 | 164.11 | 164.72 | 165.14 | 165.23 | 165.14 | 165.13 | 165.36 | 165.77 | 166.23 | 166.63 | 166.98 | 167.29 | 167.58 |
| G 4.0 | 163.32 | 163.98 | 164.48 | 164.71 | 164.78 | 164.88 | 165.14 | 165.57 | 166.14 | 166.82 | 167.51 | 168.11 | 168.54 |
| G 5.0 | 162.40 | 163.17 | 163.76 | 164.07 | 164.25 | 164.53 | 165.09 | 165.82 | 166.57 | 167.21 | 167.76 | 168.27 | 168.80 |
| G 6.0 | 161.46 | 162.27 | 162.94 | 163.40 | 163.76 | 164.17 | 164.73 | 165.43 | 166.22 | 167.03 | 167.84 | 168.63 | 169.37 |
| G 7.0 | 160.36 | 161.32 | 162.17 | 162.79 | 163.29 | 163.82 | 164.50 | 165.32 | 166.26 | 167.28 | 168.28 | 169.16 | 169.86 |
| G 8.0 | 159.38 | 160.30 | 161.16 | 161.93 | 162.67 | 163.48 | 164.41 | 165.41 | 166.40 | 167.34 | 168.23 | 169.15 | 170.10 |
| G 9.0 | 158.22 | 159.32 | 160.34 | 161.23 | 162.04 | 162.88 | 163.82 | 164.86 | 166.01 | 167.24 | 168.48 | 169.63 | 170.61 |
| G 10.0 | 157.10 | 158.28 | 159.40 | 160.39 | 161.31 | 162.26 | 163.31 | 164.51 | 165.86 | 167.34 | 168.82 | 170.12 | 171.12 |
| G 11.0 | 155.80 | 157.05 | 158.27 | 159.40 | 160.53 | 161.73 | 163.07 | 164.49 | 165.89 | 167.21 | 168.47 | 169.69 | 170.92 |
| G 12.0 | 154.52 | 155.88 | 157.22 | 158.53 | 159.83 | 161.11 | 162.40 | 163.75 | 165.22 | 166.84 | 168.51 | 170.06 | 171.38 |
| G 13.0 | 153.19 | 154.59 | 155.99 | 157.39 | 158.80 | 160.26 | 161.80 | 163.40 | 165.06 | 166.76 | 168.42 | 169.95 | 171.29 |
| G 14.0 | 151.72 | 153.27 | 154.80 | 156.28 | 157.76 | 159.32 | 161.01 | 162.79 | 164.60 | 166.38 | 168.12 | 169.78 | 171.34 |
| G 15.0 | 150.37 | 152.01 | 153.61 | 155.14 | 156.68 | 158.34 | 160.18 | 162.15 | 164.14 | 166.07 | 167.90 | 169.62 | 171.23 |
| G 16.0 | 149.01 | 150.74 | 152.42 | 154.03 | 155.65 | 157.40 | 159.33 | 161.40 | 163.51 | 165.57 | 167.54 | 169.39 | 171.10 |
| G 17.0 | 147.41 | 149.21 | 151.02 | 152.85 | 154.72 | 156.64 | 158.63 | 160.68 | 162.75 | 164.82 | 166.88 | 168.89 | 170.83 |
| G 18.0 | 145.80 | 147.68 | 149.59 | 151.54 | 153.54 | 155.58 | 157.66 | 159.80 | 162.02 | 164.32 | 166.60 | 168.71 | 170.57 |
| G 19.0 | 144.24 | 146.23 | 148.28 | 150.37 | 152.50 | 154.62 | 156.73 | 158.87 | 161.12 | 163.50 | 165.92 | 168.22 | 170.29 |
| G 20.0 | 142.62 | 144.63 | 146.71 | 148.91 | 151.20 | 153.51 | 155.83 | 158.16 | 160.54 | 162.97 | 165.42 | 167.79 | 170.03 |
| G 21.0 | 140.85 | 142.95 | 145.14 | 147.48 | 149.92 | 152.37 | 154.80 | 157.23 | 159.69 | 162.22 | 164.73 | 167.15 | 169.39 |
| G 22.0 | 139.23 | 141.45 | 143.73 | 146.08 | 148.49 | 150.98 | 153.52 | 156.12 | 158.76 | 161.42 | 164.05 | 166.55 | 168.88 |
| G 23.0 | 137.36 | 139.63 | 142.02 | 144.56 | 147.21 | 149.89 | 152.54 | 155.17 | 157.81 | 160.48 | 163.13 | 165.72 | 168.18 |
| G 24.0 | 135.55 | 137.96 | 140.45 | 143.03 | 145.67 | 148.34 | 151.03 | 153.77 | 156.59 | 159.52 | 162.46 | 165.27 | 167.87 |
| G 25.0 | 133.78 | 136.12 | 138.63 | 141.38 | 144.28 | 147.18 | 149.98 | 152.74 | 155.60 | 158.61 | 161.64 | 164.51 | 167.07 |
| G 26.0 | 131.92 | 134.34 | 136.94 | 139.81 | 142.85 | 145.87 | 148.76 | 151.59 | 154.48 | 157.50 | 160.56 | 163.53 | 166.29 |
| G 27.0 | 129.98 | 132.50 | 135.22 | 138.21 | 141.35 | 144.49 | 147.47 | 150.40 | 153.38 | 156.49 | 159.63 | 162.63 | 165.37 |
| G 28.0 | 128.13 | 130.81 | 133.60 | 136.54 | 139.57 | 142.65 | 145.72 | 148.82 | 152.01 | 155.28 | 158.52 | 161.60 | 164.40 |
| G 29.0 | 126.14 | 128.85 | 131.69 | 134.72 | 137.87 | 141.05 | 144.21 | 147.38 | 150.62 | 153.95 | 157.28 | 160.47 | 163.43 |
| G 30.0 | 124.08 | 126.81 | 129.75 | 132.97 | 136.33 | 139.63 | 142.74 | 145.80 | 149.02 | 152.52 | 156.12 | 159.51 | 162.50 |
| G 31.0 | 122.08 | 124.86 | 127.82 | 131.04 | 134.43 | 137.83 | 141.13 | 144.39 | 147.73 | 151.19 | 154.69 | 158.05 | 161.16 |
| G 32.0 | 120.11 | 122.99 | 126.02 | 129.25 | 132.61 | 136.00 | 139.34 | 142.70 | 146.18 | 149.83 | 153.53 | 157.09 | 160.37 |
| G 33.0 | 117.82 | 120.73 | 123.83 | 127.21 | 130.76 | 134.32 | 137.79 | 141.23 | 144.77 | 148.47 | 152.18 | 155.71 | 158.91 |
| G 34.0 | 115.84 | 118.73 | 121.79 | 125.13 | 128.69 | 132.33 | 135.97 | 139.61 | 143.29 | 147.01 | 150.70 | 154.24 | 157.55 |
| G 35.0 | 113.63 | 116.62 | 119.79 | 123.21 | 126.82 | 130.50 | 134.19 | 137.88 | 141.63 | 145.43 | 149.22 | 152.87 | 156.30 |
| G 36.0 | 111.38 | 114.44 | 117.69 | 121.22 | 124.92 | 128.64 | 132.29 | 135.95 | 139.74 | 143.74 | 147.76 | 151.58 | 155.03 |
| G 37.0 | 109.19 | 112.30 | 115.59 | 119.15 | 122.89 | 126.69 | 130.45 | 134.21 | 138.05 | 142.01 | 145.98 | 149.79 | 153.33 |
| G 38.0 | 107.06 | 110.23 | 113.56 | 117.11 | 120.84 | 124.64 | 128.47 | 132.34 | 136.34 | 140.49 | 144.62 | 148.53 | 152.07 |
| G 39.0 | 104.61 | 107.93 | 111.41 | 115.08 | 118.91 | 122.80 | 126.73 | 130.68 | 134.68 | 138.72 | 142.71 | 146.51 | 150.05 |
| G 40.0 | 102.49 | 105.74 | 109.18 | 112.91 | 116.82 | 120.77 | 124.66 | 128.55 | 132.54 | 136.69 | 140.86 | 144.88 | 148.63 |
| G 41.0 | 100.14 | 103.41 | 106.92 | 110.79 | 114.86 | 118.92 | 122.82 | 126.68 | 130.68 | 134.94 | 139.27 | 143.40 | 147.10 |
| G 42.0 | 97.63 | 101.01 | 104.61 | 108.52 | 112.62 | 116.73 | 120.71 | 124.68 | 128.78 | 133.10 | 137.44 | 141.54 | 145.21 |
| G 43.0 | 95.34 | 98.72 | 102.36 | 106.34 | 110.52 | 114.67 | 118.64 | 122.56 | 126.63 | 130.97 | 135.41 | 139.66 | 143.54 |
| G 44.0 | 93.02 | 96.50 | 100.16 | 104.06 | 108.13 | 112.24 | 116.33 | 120.44 | 124.68 | 129.10 | 133.53 | 137.75 | 141.60 |
| G 45.0 | 90.50 | 94.03 | 97.76 | 101.76 | 105.93 | 110.16 | 114.38 | 118.62 | 122.94 | 127.35 | 131.72 | 135.85 | 139.61 |
| G 46.0 | 88.04 | 91.56 | 95.32 | 99.40 | 103.67 | 107.96 | 112.14 | 116.29 | 120.57 | 125.03 | 129.52 | 133.81 | 137.71 |
| G 47.0 | 85.67 | 89.21 | 92.97 | 97.06 | 101.36 | 105.72 | 110.00 | 114.27 | 118.63 | 123.12 | 127.59 | 131.83 | 135.70 |
| G 48.0 | 83.05 | 86.63 | 90.47 | 94.67 | 99.06 | 103.43 | 107.65 | 111.82 | 116.15 | 120.74 | 125.39 | 129.81 | 133.78 |
| G 49.0 | 80.60 | 84.18 | 88.01 | 92.18 | 96.57 | 100.98 | 105.26 | 109.53 | 113.94 | 118.58 | 123.26 | 127.71 | 131.72 |
| G 50.0 | 78.07 | 81.69 | 85.56 | 89.78 | 94.21 | 98.66 | 103.01 | 107.34 | 111.77 | 116.38 | 121.01 | 125.41 | 129.42 |
| G 51.0 | 75.60 | 79.20 | 83.09 | 87.36 | 91.87 | 96.37 | 100.72 | 105.01 | 109.45 | 114.14 | 118.85 | 123.28 | 127.21 |
| G 52.0 | 73.01 | 76.69 | 80.61 | 84.87 | 89.34 | 93.83 | 98.22 | 102.59 | 107.08 | 111.76 | 116.45 | 120.91 | 124.98 |
| G 53.0 | 70.47 | 74.18 | 78.14 | 82.42 | 86.91 | 91.42 | 95.82 | 100.20 | 104.73 | 109.49 | 114.26 | 118.76 | 122.79 |
| G 54.0 | 67.84 | 71.56 | 75.54 | 79.88 | 84.41 | 88.95 | 93.35 | 97.74 | 102.29 | 107.12 | 111.98 | 116.53 | 120.55 |
| G 55.0 | 65.16 | 68.90 | 72.90 | 77.28 | 81.87 | 86.48 | 90.96 | 95.40 | 99.95 | 104.71 | 109.49 | 114.04 | 118.16 |
| G 56.0 | 62.62 | 66.41 | 70.41 | 74.69 | 79.16 | 83.71 | 88.24 | 92.81 | 97.50 | 102.35 | 107.17 | 111.74 | 115.88 |
| G 57.0 | 59.84 | 63.65 | 67.72 | 72.12 | 76.71 | 81.33 | 85.84 | 90.35 | 95.00 | 99.86 | 104.72 | 109.26 | 113.29 |
| G 58.0 | 57.15 | 61.00 | 65.10 | 69.52 | 74.14 | 78.80 | 83.38 | 87.94 | 92.59 | 97.36 | 102.12 | 106.65 | 110.79 |
| G 59.0 | 54.39 | 58.30 | 62.48 | 66.98 | 71.65 | 76.29 | 80.76 | 85.21 | 89.83 | 94.74 | 99.69 | 104.34 | 108.46 |
| G 60.0 | 51.64 | 55.58 | 59.79 | 64.31 | 69.00 | 73.67 | 78.20 | 82.69 | 87.32 | 92.18 | 97.06 | 101.68 | 105.82 |
| G 61.0 | 48.83 | 52.76 | 57.02 | 61.64 | 66.45 | 71.18 | 75.68 | 80.09 | 84.65 | 89.53 | 94.48 | 99.17 | 103.37 |
| G 62.0 | 46.18 | 50.17 | 54.42 | 58.97 | 63.68 | 68.36 | 72.89 | 77.39 | 82.05 | 86.96 | 91.89 | 96.55 | 100.69 |
| G 63.0 | 43.48 | 47.47 | 51.72 | 56.28 | 61.00 | 65.72 | 70.30 | 74.84 | 79.48 | 84.30 | 89.12 | 93.72 | 97.93 |
| G 64.0 | 40.77 | 44.72 | 48.96 | 53.54 | 58.30 | 63.04 | 67.59 | 72.09 | 76.71 | 81.56 | 86.44 | 91.07 | 95.25 |
| G 65.0 | 38.19 | 42.12 | 46.31 | 50.83 | 55.55 | 60.27 | 64.85 | 69.39 | 74.05 | 78.91 | 83.78 | 88.40 | 92.57 |
| G 66.0 | 35.54 | 39.43 | 43.60 | 48.12 | 52.84 | 57.55 | 62.10 | 66.61 | 71.26 | 76.14 | 81.05 | 85.71 | 89.91 |
| G 67.0 | 32.84 | 36.66 | 40.80 | 45.37 | 50.18 | 54.95 | 59.51 | 63.97 | 68.55 | 73.39 | 78.27 | 82.90 | 87.09 |
| G 68.0 | 30.26 | 34.07 | 38.19 | 42.71 | 47.47 | 52.21 | 56.75 | 61.22 | 65.81 | 70.63 | 75.48 | 80.08 | 84.24 |
| G 69.0 | 27.75 | 31.50 | 35.55 | 40.01 | 44.70 | 49.39 | 53.91 | 58.38 | 62.99 | 67.84 | 72.73 | 77.37 | 81.56 |
| G 70.0 | 25.08 | 28.78 | 32.81 | 37.25 | 41.95 | 46.65 | 51.20 | 55.69 | 60.29 | 65.10 | 69.92 | 74.48 | 78.58 |
| G 71.0 | 22.64 | 26.31 | 30.30 | 34.69 | 39.31 | 43.94 | 48.42 | 52.87 | 57.45 | 62.24 | 67.06 | 71.63 | 75.76 |
| G 72.0 | 20.20 | 23.79 | 27.72 | 32.06 | 36.63 | 41.19 | 45.58 | 49.94 | 54.48 | 59.33 | 64.26 | 68.91 | 73.06 |

**Luminaria**
Código PX-0468-BLA
Nombre KAPA
**Ensayo**
Código PX-0468-BLA
Nombre KAPA

| Flujo Luminaria | 443.60 lm | Potencia luminaria | 10.30 W | Eficacia | 43.07 lm/W | Eficiencia | 100.00% |
|---|---|---|---|---|---|---|---|
| Flujo de Lámpara | 443.60 lm | Valor Máximo | 183.99 cd/klm | Posición | C=175.00 G=159.00 | CG | Asimétrico |

**Tabla de Intensidad Luminosa cd/klm** **Tabla 3/18**

| | C 130.00 | C 135.00 | C 140.00 | C 145.00 | C 150.00 | C 155.00 | C 160.00 | C 165.00 | C 170.00 | C 175.00 | C 180.00 | C 185.00 | C 190.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 0.0 | 165.37 | 165.36 | 165.34 | 165.34 | 165.33 | 165.33 | 165.39 | 165.62 | 166.05 | 166.55 | 166.94 | 166.94 | 166.94 |
| G 1.0 | 166.38 | 166.39 | 166.43 | 166.48 | 166.52 | 166.64 | 166.84 | 167.17 | 167.64 | 168.14 | 168.53 | 168.71 | 168.71 |
| G 2.0 | 167.11 | 167.23 | 167.32 | 167.41 | 167.56 | 167.81 | 168.15 | 168.57 | 169.03 | 169.46 | 169.74 | 169.81 | 169.73 |
| G 3.0 | 167.87 | 168.15 | 168.45 | 168.74 | 169.02 | 169.29 | 169.58 | 169.95 | 170.41 | 170.86 | 171.18 | 171.27 | 171.20 |
| G 4.0 | 168.84 | 169.11 | 169.41 | 169.72 | 170.03 | 170.33 | 170.66 | 171.09 | 171.63 | 172.17 | 172.54 | 172.62 | 172.48 |
| G 5.0 | 169.32 | 169.82 | 170.29 | 170.73 | 171.15 | 171.56 | 171.97 | 172.43 | 172.91 | 173.36 | 173.67 | 173.77 | 173.68 |
| G 6.0 | 170.05 | 170.66 | 171.19 | 171.66 | 172.06 | 172.41 | 172.77 | 173.21 | 173.76 | 174.32 | 174.74 | 174.91 | 174.84 |
| G 7.0 | 170.46 | 171.06 | 171.77 | 172.49 | 173.14 | 173.64 | 174.05 | 174.48 | 174.99 | 175.49 | 175.86 | 176.00 | 175.94 |
| G 8.0 | 171.05 | 171.91 | 172.64 | 173.26 | 173.81 | 174.32 | 174.84 | 175.40 | 176.02 | 176.58 | 176.94 | 177.01 | 176.84 |
| G 9.0 | 171.47 | 172.28 | 173.09 | 173.86 | 174.54 | 175.10 | 175.60 | 176.12 | 176.71 | 177.28 | 177.71 | 177.89 | 177.84 |
| G 10.0 | 171.92 | 172.69 | 173.54 | 174.44 | 175.31 | 176.07 | 176.75 | 177.38 | 177.96 | 178.46 | 178.80 | 178.93 | 178.84 |
| G 11.0 | 172.11 | 173.23 | 174.25 | 175.17 | 176.01 | 176.78 | 177.47 | 178.10 | 178.63 | 179.07 | 179.37 | 179.50 | 179.46 |
| G 12.0 | 172.54 | 173.62 | 174.68 | 175.69 | 176.60 | 177.37 | 178.04 | 178.67 | 179.30 | 179.86 | 180.23 | 180.34 | 180.21 |
| G 13.0 | 172.51 | 173.69 | 174.89 | 176.07 | 177.15 | 178.09 | 178.89 | 179.58 | 180.18 | 180.65 | 180.94 | 181.04 | 180.93 |
| G 14.0 | 172.79 | 174.11 | 175.29 | 176.36 | 177.36 | 178.32 | 179.22 | 180.05 | 180.75 | 181.28 | 181.60 | 181.67 | 181.49 |
| G 15.0 | 172.73 | 174.14 | 175.46 | 176.68 | 177.80 | 178.81 | 179.72 | 180.55 | 181.29 | 181.89 | 182.27 | 182.38 | 182.23 |
| G 16.0 | 172.68 | 174.19 | 175.63 | 176.98 | 178.22 | 179.31 | 180.26 | 181.07 | 181.75 | 182.27 | 182.59 | 182.68 | 182.52 |
| G 17.0 | 172.67 | 174.35 | 175.86 | 177.20 | 178.41 | 179.52 | 180.52 | 181.38 | 182.08 | 182.61 | 182.95 | 183.09 | 182.97 |
| G 18.0 | 172.26 | 173.90 | 175.59 | 177.23 | 178.71 | 179.91 | 180.87 | 181.64 | 182.28 | 182.78 | 183.11 | 183.25 | 183.14 |
| G 19.0 | 172.18 | 173.95 | 175.64 | 177.23 | 178.65 | 179.86 | 180.88 | 181.76 | 182.50 | 183.09 | 183.48 | 183.65 | 183.53 |
| G 20.0 | 172.11 | 174.03 | 175.77 | 177.34 | 178.74 | 179.97 | 181.03 | 181.93 | 182.68 | 183.25 | 183.61 | 183.74 | 183.59 |
| G 21.0 | 171.49 | 173.47 | 175.37 | 177.13 | 178.69 | 179.99 | 181.07 | 181.98 | 182.76 | 183.37 | 183.80 | 183.99 | 183.85 |
| G 22.0 | 171.05 | 173.10 | 175.05 | 176.86 | 178.48 | 179.85 | 181.00 | 181.95 | 182.73 | 183.32 | 183.69 | 183.82 | 183.64 |
| G 23.0 | 170.50 | 172.68 | 174.71 | 176.58 | 178.29 | 179.81 | 181.10 | 182.10 | 182.79 | 183.22 | 183.47 | 183.61 | 183.52 |
| G 24.0 | 170.25 | 172.45 | 174.51 | 176.39 | 178.09 | 179.55 | 180.78 | 181.76 | 182.47 | 182.96 | 183.29 | 183.48 | 183.40 |
| G 25.0 | 169.41 | 171.64 | 173.85 | 175.96 | 177.84 | 179.38 | 180.62 | 181.61 | 182.39 | 182.97 | 183.30 | 183.37 | 183.13 |
| G 26.0 | 168.86 | 171.26 | 173.50 | 175.56 | 177.40 | 178.99 | 180.31 | 181.34 | 182.09 | 182.59 | 182.90 | 183.03 | 182.88 |
| G 27.0 | 167.91 | 170.33 | 172.69 | 174.93 | 176.92 | 178.58 | 179.92 | 180.95 | 181.70 | 182.22 | 182.52 | 182.62 | 182.41 |
| G 28.0 | 166.98 | 169.46 | 171.90 | 174.22 | 176.28 | 178.01 | 179.38 | 180.42 | 181.16 | 181.65 | 181.95 | 182.10 | 181.96 |
| G 29.0 | 166.18 | 168.77 | 171.24 | 173.55 | 175.62 | 177.40 | 178.86 | 179.97 | 180.72 | 181.18 | 181.44 | 181.53 | 181.34 |
| G 30.0 | 165.19 | 167.74 | 170.28 | 172.69 | 174.83 | 176.57 | 177.95 | 179.03 | 179.88 | 180.50 | 180.91 | 181.07 | 180.88 |
| G 31.0 | 164.05 | 166.81 | 169.46 | 171.95 | 174.16 | 176.02 | 177.49 | 178.58 | 179.29 | 179.72 | 179.96 | 180.08 | 179.92 |
| G 32.0 | 163.38 | 166.16 | 168.75 | 171.10 | 173.19 | 174.97 | 176.43 | 177.57 | 178.40 | 178.95 | 179.28 | 179.40 | 179.19 |
| G 33.0 | 161.83 | 164.59 | 167.27 | 169.83 | 172.18 | 174.24 | 175.93 | 177.15 | 177.86 | 178.20 | 178.34 | 178.39 | 178.20 |
| G 34.0 | 160.67 | 163.66 | 166.52 | 169.18 | 171.50 | 173.38 | 174.83 | 175.92 | 176.69 | 177.19 | 177.46 | 177.52 | 177.26 |
| G 35.0 | 159.49 | 162.45 | 165.19 | 167.72 | 170.02 | 172.08 | 173.82 | 175.12 | 175.91 | 176.31 | 176.49 | 176.54 | 176.32 |
| G 36.0 | 158.17 | 161.13 | 163.99 | 166.68 | 169.06 | 171.05 | 172.62 | 173.80 | 174.61 | 175.13 | 175.43 | 175.57 | 175.37 |
| G 37.0 | 156.64 | 159.77 | 162.77 | 165.55 | 168.00 | 170.05 | 171.66 | 172.83 | 173.56 | 173.97 | 174.15 | 174.17 | 173.90 |
| G 38.0 | 155.32 | 158.38 | 161.35 | 164.14 | 166.61 | 168.66 | 170.29 | 171.50 | 172.33 | 172.84 | 173.14 | 173.25 | 173.00 |
| G 39.0 | 153.37 | 156.59 | 159.76 | 162.76 | 165.39 | 167.53 | 169.17 | 170.34 | 171.08 | 171.48 | 171.68 | 171.71 | 171.42 |
| G 40.0 | 152.12 | 155.42 | 158.56 | 161.47 | 164.04 | 166.18 | 167.85 | 169.04 | 169.74 | 170.08 | 170.24 | 170.29 | 170.05 |
| G 41.0 | 150.47 | 153.64 | 156.72 | 159.63 | 162.26 | 164.51 | 166.31 | 167.64 | 168.46 | 168.89 | 169.06 | 169.04 | 168.70 |
| G 42.0 | 148.56 | 151.79 | 155.04 | 158.13 | 160.81 | 162.92 | 164.49 | 165.66 | 166.50 | 167.07 | 167.38 | 167.43 | 167.06 |
| G 43.0 | 147.08 | 150.39 | 153.54 | 156.48 | 159.08 | 161.26 | 162.99 | 164.23 | 164.99 | 165.39 | 165.57 | 165.62 | 165.36 |
| G 44.0 | 145.14 | 148.48 | 151.70 | 154.72 | 157.44 | 159.75 | 161.60 | 162.92 | 163.70 | 164.08 | 164.23 | 164.25 | 163.94 |
| G 45.0 | 143.10 | 146.49 | 149.88 | 153.08 | 155.83 | 157.97 | 159.53 | 160.67 | 161.49 | 162.05 | 162.40 | 162.54 | 162.27 |
| G 46.0 | 141.30 | 144.70 | 147.98 | 151.08 | 153.86 | 156.22 | 158.09 | 159.38 | 160.09 | 160.38 | 160.49 | 160.55 | 160.33 |
| G 47.0 | 139.27 | 142.70 | 146.07 | 149.26 | 152.11 | 154.48 | 156.33 | 157.63 | 158.39 | 158.75 | 158.87 | 158.85 | 158.51 |
| G 48.0 | 137.39 | 140.81 | 144.14 | 147.28 | 150.05 | 152.35 | 154.13 | 155.42 | 156.24 | 156.71 | 156.95 | 157.03 | 156.75 |
| G 49.0 | 135.38 | 138.85 | 142.22 | 145.40 | 148.26 | 150.67 | 152.55 | 153.84 | 154.52 | 154.78 | 154.83 | 154.82 | 154.51 |
| G 50.0 | 133.09 | 136.58 | 139.95 | 143.14 | 146.03 | 148.52 | 150.50 | 151.90 | 152.69 | 153.02 | 153.11 | 153.09 | 152.75 |
| G 51.0 | 130.79 | 134.27 | 137.80 | 141.21 | 144.23 | 146.65 | 148.45 | 149.68 | 150.40 | 150.75 | 150.91 | 150.97 | 150.69 |
| G 52.0 | 128.72 | 132.30 | 135.80 | 139.13 | 142.13 | 144.63 | 146.57 | 147.87 | 148.51 | 148.70 | 148.70 | 148.68 | 148.40 |
| G 53.0 | 126.45 | 129.96 | 133.45 | 136.79 | 139.81 | 142.32 | 144.27 | 145.60 | 146.31 | 146.58 | 146.62 | 146.57 | 146.23 |
| G 54.0 | 124.19 | 127.70 | 131.25 | 134.66 | 137.70 | 140.16 | 142.02 | 143.29 | 144.03 | 144.37 | 144.48 | 144.45 | 144.08 |
| G 55.0 | 121.95 | 125.56 | 129.10 | 132.45 | 135.47 | 137.99 | 139.94 | 141.23 | 141.85 | 142.00 | 141.94 | 141.84 | 141.49 |
| G 56.0 | 119.68 | 123.29 | 126.80 | 130.10 | 133.05 | 135.52 | 137.43 | 138.75 | 139.47 | 139.76 | 139.81 | 139.76 | 139.39 |
| G 57.0 | 116.95 | 120.52 | 124.14 | 127.65 | 130.80 | 133.36 | 135.28 | 136.54 | 137.17 | 137.36 | 137.36 | 137.29 | 136.94 |
| G 58.0 | 114.63 | 118.29 | 121.87 | 125.26 | 128.31 | 130.88 | 132.88 | 134.22 | 134.86 | 135.02 | 134.99 | 134.93 | 134.60 |
| G 59.0 | 112.18 | 115.76 | 119.34 | 122.80 | 125.91 | 128.48 | 130.44 | 131.76 | 132.43 | 132.64 | 132.63 | 132.54 | 132.14 |
| G 60.0 | 109.61 | 113.24 | 116.86 | 120.31 | 123.41 | 125.99 | 127.95 | 129.27 | 129.92 | 130.12 | 130.10 | 130.03 | 129.66 |
| G 61.0 | 107.17 | 110.78 | 114.31 | 117.68 | 120.72 | 123.30 | 125.31 | 126.67 | 127.36 | 127.57 | 127.53 | 127.40 | 126.98 |
| G 62.0 | 104.47 | 108.09 | 111.71 | 115.19 | 118.32 | 120.94 | 122.96 | 124.31 | 125.00 | 125.21 | 125.16 | 125.01 | 124.54 |
| G 63.0 | 101.83 | 105.56 | 109.23 | 112.70 | 115.82 | 118.43 | 120.45 | 121.78 | 122.40 | 122.52 | 122.41 | 122.24 | 121.80 |
| G 64.0 | 99.08 | 102.75 | 106.39 | 109.87 | 113.03 | 115.70 | 117.78 | 119.18 | 119.86 | 120.02 | 119.95 | 119.80 | 119.35 |
| G 65.0 | 96.41 | 100.12 | 103.83 | 107.39 | 110.59 | 113.25 | 115.27 | 116.59 | 117.18 | 117.30 | 117.25 | 117.22 | 116.90 |
| G 66.0 | 93.75 | 97.42 | 101.05 | 104.53 | 107.66 | 110.28 | 112.32 | 113.73 | 114.48 | 114.76 | 114.80 | 114.74 | 114.33 |
| G 67.0 | 90.94 | 94.63 | 98.29 | 101.79 | 104.95 | 107.60 | 109.64 | 111.01 | 111.69 | 111.88 | 111.86 | 111.79 | 111.42 |
| G 68.0 | 88.09 | 91.82 | 95.57 | 99.17 | 102.40 | 105.04 | 107.06 | 108.42 | 109.14 | 109.41 | 109.43 | 109.34 | 108.89 |
| G 69.0 | 85.40 | 89.11 | 92.81 | 96.36 | 99.57 | 102.24 | 104.31 | 105.72 | 106.48 | 106.75 | 106.75 | 106.62 | 106.13 |
| G 70.0 | 82.36 | 86.03 | 89.73 | 93.34 | 96.66 | 99.50 | 101.74 | 103.24 | 103.96 | 104.11 | 104.02 | 103.86 | 103.40 |
| G 71.0 | 79.57 | 83.28 | 87.01 | 90.66 | 94.04 | 96.96 | 99.21 | 100.57 | 100.95 | 100.74 | 100.44 | 100.39 | 100.23 |
| G 72.0 | 76.85 | 80.50 | 84.18 | 87.77 | 91.11 | 93.99 | 96.21 | 97.54 | 97.87 | 97.57 | 97.11 | 96.84 | 96.49 |

**Luminaria**
Código PX-0468-BLA
Nombre KAPA
**Ensayo**
Código PX-0468-BLA
Nombre KAPA

| | | | | | | |
|---|---|---|---|---|---|---|
| Flujo Luminaria | 443.60 lm | Potencia luminaria | 10.30 W | Eficacia | 43.07 lm/W | Eficiencia | 100.00% |
| Flujo de Lámpara | 443.60 lm | Valor Máximo | 183.99 cd/klm | Posición | C=175.00 G=159.00 | CG | Asimétrico |

**Tabla de Intensidad Luminosa cd/klm** **Tabla 4/18**

| | C 195.00 | C 200.00 | C 205.00 | C 210.00 | C 215.00 | C 220.00 | C 225.00 | C 230.00 | C 235.00 | C 240.00 | C 245.00 | C 250.00 | C 255.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 0.0 | 166.95 | 166.86 | 166.80 | 166.72 | 166.61 | 166.46 | 166.29 | 166.11 | 165.99 | 166.04 | 166.29 | 166.56 | 166.65 |
| G 1.0 | 168.57 | 168.37 | 168.13 | 167.91 | 167.72 | 167.55 | 167.38 | 167.18 | 167.02 | 166.96 | 166.96 | 166.97 | 166.98 |
| G 2.0 | 169.60 | 169.49 | 169.38 | 169.24 | 169.03 | 168.75 | 168.40 | 168.02 | 167.68 | 167.50 | 167.46 | 167.42 | 167.38 |
| G 3.0 | 171.02 | 170.82 | 170.60 | 170.36 | 170.07 | 169.73 | 169.31 | 168.83 | 168.39 | 168.14 | 168.05 | 167.97 | 167.89 |
| G 4.0 | 172.22 | 171.94 | 171.65 | 171.35 | 171.03 | 170.65 | 170.17 | 169.57 | 168.99 | 168.58 | 168.43 | 168.29 | 167.87 |
| G 5.0 | 173.44 | 173.09 | 172.68 | 172.29 | 171.95 | 171.57 | 171.05 | 170.34 | 169.59 | 169.02 | 168.74 | 168.51 | 167.99 |
| G 6.0 | 174.60 | 174.23 | 173.78 | 173.32 | 172.87 | 172.36 | 171.72 | 170.91 | 170.07 | 169.44 | 169.12 | 168.81 | 168.15 |
| G 7.0 | 175.70 | 175.34 | 174.88 | 174.37 | 173.81 | 173.18 | 172.43 | 171.53 | 170.62 | 169.85 | 169.32 | 168.78 | 167.94 |
| G 8.0 | 176.52 | 176.13 | 175.69 | 175.18 | 174.58 | 173.87 | 172.99 | 171.96 | 170.92 | 170.09 | 169.57 | 169.06 | 168.16 |
| G 9.0 | 177.58 | 177.15 | 176.58 | 175.92 | 175.18 | 174.35 | 173.39 | 172.31 | 171.24 | 170.33 | 169.67 | 168.99 | 167.95 |
| G 10.0 | 178.53 | 178.00 | 177.31 | 176.49 | 175.60 | 174.65 | 173.63 | 172.56 | 171.51 | 170.55 | 169.71 | 168.81 | 167.59 |
| G 11.0 | 179.21 | 178.75 | 178.11 | 177.33 | 176.44 | 175.44 | 174.29 | 173.01 | 171.70 | 170.53 | 169.56 | 168.58 | 167.33 |
| G 12.0 | 179.89 | 179.41 | 178.76 | 177.95 | 176.95 | 175.80 | 174.53 | 173.20 | 171.88 | 170.69 | 169.64 | 168.54 | 167.11 |
| G 13.0 | 180.61 | 180.09 | 179.37 | 178.49 | 177.44 | 176.24 | 174.88 | 173.39 | 171.88 | 170.49 | 169.28 | 168.07 | 166.58 |
| G 14.0 | 181.11 | 180.54 | 179.80 | 178.88 | 177.78 | 176.51 | 175.06 | 173.45 | 171.81 | 170.31 | 169.02 | 167.74 | 166.17 |
| G 15.0 | 181.81 | 181.14 | 180.26 | 179.19 | 177.97 | 176.60 | 175.07 | 173.42 | 171.76 | 170.27 | 169.01 | 167.71 | 166.04 |
| G 16.0 | 182.10 | 181.42 | 180.51 | 179.43 | 178.20 | 176.82 | 175.26 | 173.52 | 171.74 | 170.04 | 168.51 | 166.95 | 165.09 |
| G 17.0 | 182.56 | 181.83 | 180.82 | 179.62 | 178.29 | 176.81 | 175.16 | 173.33 | 171.45 | 169.70 | 168.15 | 166.56 | 164.60 |
| G 18.0 | 182.70 | 181.89 | 180.80 | 179.53 | 178.16 | 176.67 | 175.01 | 173.15 | 171.22 | 169.36 | 167.66 | 165.89 | 163.77 |
| G 19.0 | 183.06 | 182.23 | 181.09 | 179.74 | 178.26 | 176.65 | 174.87 | 172.95 | 170.96 | 169.04 | 167.24 | 165.35 | 163.08 |
| G 20.0 | 183.08 | 182.19 | 181.00 | 179.62 | 178.13 | 176.49 | 174.65 | 172.59 | 170.44 | 168.40 | 166.55 | 164.65 | 162.35 |
| G 21.0 | 183.30 | 182.27 | 180.89 | 179.35 | 177.77 | 176.12 | 174.29 | 172.25 | 170.11 | 168.01 | 166.04 | 163.98 | 161.55 |
| G 22.0 | 183.10 | 182.18 | 180.93 | 179.44 | 177.78 | 175.95 | 173.94 | 171.77 | 169.51 | 167.29 | 165.16 | 162.96 | 160.46 |
| G 23.0 | 183.05 | 182.12 | 180.80 | 179.22 | 177.50 | 175.62 | 173.54 | 171.27 | 168.90 | 166.55 | 164.30 | 162.00 | 159.44 |
| G 24.0 | 182.92 | 181.92 | 180.50 | 178.83 | 177.02 | 175.07 | 172.93 | 170.60 | 168.16 | 165.74 | 163.40 | 160.98 | 158.29 |
| G 25.0 | 182.52 | 181.52 | 180.17 | 178.57 | 176.78 | 174.78 | 172.55 | 170.10 | 167.53 | 164.98 | 162.53 | 160.02 | 157.21 |
| G 26.0 | 182.32 | 181.25 | 179.77 | 178.00 | 176.07 | 173.95 | 171.64 | 169.14 | 166.54 | 163.96 | 161.48 | 158.89 | 155.96 |
| G 27.0 | 181.77 | 180.60 | 179.05 | 177.27 | 175.40 | 173.38 | 171.10 | 168.52 | 165.76 | 163.04 | 160.46 | 157.82 | 154.84 |
| G 28.0 | 181.40 | 180.30 | 178.76 | 176.93 | 174.90 | 172.68 | 170.23 | 167.54 | 164.74 | 161.97 | 159.31 | 156.57 | 153.49 |
| G 29.0 | 180.72 | 179.54 | 177.93 | 176.04 | 174.00 | 171.77 | 169.30 | 166.56 | 163.67 | 160.82 | 158.09 | 155.32 | 152.23 |
| G 30.0 | 180.18 | 178.88 | 177.14 | 175.18 | 173.14 | 170.96 | 168.50 | 165.67 | 162.65 | 159.66 | 156.83 | 153.97 | 150.81 |
| G 31.0 | 179.30 | 178.09 | 176.41 | 174.44 | 172.30 | 169.98 | 167.40 | 164.51 | 161.47 | 158.46 | 155.60 | 152.68 | 149.43 |
| G 32.0 | 178.51 | 177.26 | 175.55 | 173.54 | 171.35 | 168.96 | 166.29 | 163.33 | 160.23 | 157.16 | 154.25 | 151.29 | 147.98 |
| G 33.0 | 177.54 | 176.23 | 174.43 | 172.36 | 170.19 | 167.84 | 165.20 | 162.21 | 159.03 | 155.91 | 152.96 | 149.94 | 146.51 |
| G 34.0 | 176.54 | 175.26 | 173.52 | 171.46 | 169.19 | 166.69 | 163.91 | 160.82 | 157.59 | 154.40 | 151.38 | 148.29 | 144.81 |
| G 35.0 | 175.63 | 174.31 | 172.48 | 170.32 | 167.97 | 165.40 | 162.55 | 159.41 | 156.12 | 152.85 | 149.72 | 146.53 | 143.01 |
| G 36.0 | 174.61 | 173.14 | 171.15 | 168.88 | 166.52 | 164.02 | 161.23 | 158.10 | 154.76 | 151.42 | 148.21 | 144.93 | 141.33 |
| G 37.0 | 173.15 | 171.79 | 169.95 | 167.79 | 165.45 | 162.87 | 159.97 | 156.69 | 153.22 | 149.76 | 146.46 | 143.13 | 139.50 |
| G 38.0 | 172.16 | 170.59 | 168.49 | 166.17 | 163.84 | 161.38 | 158.56 | 155.26 | 151.68 | 148.12 | 144.78 | 141.45 | 137.83 |
| G 39.0 | 170.58 | 169.05 | 167.00 | 164.71 | 162.37 | 159.85 | 156.99 | 153.67 | 150.07 | 146.49 | 143.08 | 139.64 | 135.90 |
| G 40.0 | 169.24 | 167.71 | 165.64 | 163.31 | 160.93 | 158.38 | 155.46 | 152.06 | 148.39 | 144.75 | 141.31 | 137.85 | 134.03 |
| G 41.0 | 167.81 | 166.27 | 164.20 | 161.86 | 159.39 | 156.72 | 153.69 | 150.23 | 146.53 | 142.86 | 139.39 | 135.88 | 132.03 |
| G 42.0 | 166.12 | 164.49 | 162.36 | 160.02 | 157.63 | 155.07 | 152.12 | 148.65 | 144.86 | 141.08 | 137.50 | 133.91 | 130.02 |
| G 43.0 | 164.54 | 163.02 | 160.94 | 158.56 | 156.06 | 153.34 | 150.27 | 146.77 | 143.02 | 139.25 | 135.64 | 131.98 | 128.00 |
| G 44.0 | 163.05 | 161.40 | 159.19 | 156.73 | 154.22 | 151.53 | 148.45 | 144.85 | 140.97 | 137.11 | 133.48 | 129.88 | 125.96 |
| G 45.0 | 161.36 | 159.65 | 157.39 | 154.88 | 152.37 | 149.70 | 146.64 | 143.02 | 139.10 | 135.19 | 131.51 | 127.84 | 123.84 |
| G 46.0 | 159.50 | 157.84 | 155.58 | 153.06 | 150.52 | 147.81 | 144.69 | 141.03 | 137.05 | 133.10 | 129.40 | 125.71 | 121.68 |
| G 47.0 | 157.59 | 155.93 | 153.71 | 151.21 | 148.61 | 145.80 | 142.61 | 138.93 | 134.96 | 130.99 | 127.22 | 123.44 | 119.35 |
| G 48.0 | 155.82 | 154.08 | 151.75 | 149.17 | 146.55 | 143.77 | 140.61 | 136.92 | 132.92 | 128.89 | 125.04 | 121.18 | 117.04 |
| G 49.0 | 153.62 | 151.92 | 149.65 | 147.11 | 144.54 | 141.79 | 138.62 | 134.89 | 130.83 | 126.77 | 122.93 | 119.10 | 114.94 |
| G 50.0 | 151.80 | 150.06 | 147.73 | 145.12 | 142.45 | 139.60 | 136.35 | 132.56 | 128.46 | 124.39 | 120.55 | 116.71 | 112.53 |
| G 51.0 | 149.73 | 147.91 | 145.49 | 142.85 | 140.29 | 137.58 | 134.41 | 130.58 | 126.36 | 122.14 | 118.19 | 114.29 | 110.07 |
| G 52.0 | 147.51 | 145.80 | 143.48 | 140.85 | 138.16 | 135.28 | 131.97 | 128.13 | 123.97 | 119.85 | 115.97 | 112.09 | 107.85 |
| G 53.0 | 145.27 | 143.52 | 141.19 | 138.58 | 135.92 | 133.06 | 129.77 | 125.90 | 121.70 | 117.50 | 113.53 | 109.57 | 105.31 |
| G 54.0 | 143.10 | 141.33 | 138.98 | 136.35 | 133.66 | 130.77 | 127.45 | 123.56 | 119.33 | 115.10 | 111.08 | 107.07 | 102.75 |
| G 55.0 | 140.59 | 138.91 | 136.65 | 134.08 | 131.40 | 128.48 | 125.11 | 121.17 | 116.91 | 112.69 | 108.73 | 104.77 | 100.42 |
| G 56.0 | 138.42 | 136.66 | 134.31 | 131.65 | 128.91 | 125.95 | 122.56 | 118.64 | 114.39 | 110.15 | 106.13 | 102.10 | 97.72 |
| G 57.0 | 135.98 | 134.20 | 131.82 | 129.16 | 126.46 | 123.54 | 120.16 | 116.17 | 111.84 | 107.54 | 103.52 | 99.53 | 95.20 |
| G 58.0 | 133.66 | 131.86 | 129.45 | 126.75 | 124.01 | 121.07 | 117.68 | 113.67 | 109.33 | 105.01 | 100.97 | 96.96 | 92.62 |
| G 59.0 | 131.13 | 129.31 | 126.89 | 124.20 | 121.47 | 118.54 | 115.15 | 111.14 | 106.78 | 102.43 | 98.34 | 94.27 | 89.88 |
| G 60.0 | 128.66 | 126.82 | 124.36 | 121.66 | 118.95 | 116.06 | 112.69 | 108.67 | 104.26 | 99.85 | 95.69 | 91.57 | 87.14 |
| G 61.0 | 125.96 | 124.16 | 121.78 | 119.11 | 116.37 | 113.41 | 109.99 | 105.96 | 101.59 | 97.22 | 93.09 | 88.99 | 84.57 |
| G 62.0 | 123.47 | 121.60 | 119.16 | 116.47 | 113.75 | 110.83 | 107.42 | 103.36 | 98.93 | 94.50 | 90.35 | 86.25 | 81.84 |
| G 63.0 | 120.78 | 118.95 | 116.53 | 113.82 | 111.03 | 108.02 | 104.58 | 100.57 | 96.21 | 91.83 | 87.64 | 83.46 | 78.99 |
| G 64.0 | 118.27 | 116.35 | 113.84 | 111.10 | 108.37 | 105.46 | 102.07 | 98.00 | 93.55 | 89.09 | 84.89 | 80.74 | 76.27 |
| G 65.0 | 115.90 | 113.95 | 111.32 | 108.43 | 105.59 | 102.61 | 99.19 | 95.15 | 90.73 | 86.32 | 82.16 | 78.02 | 73.56 |
| G 66.0 | 113.24 | 111.27 | 108.67 | 105.80 | 102.93 | 99.90 | 96.43 | 92.37 | 87.93 | 83.48 | 79.23 | 75.02 | 70.54 |
| G 67.0 | 110.38 | 108.43 | 105.83 | 102.98 | 100.13 | 97.11 | 93.66 | 89.60 | 85.17 | 80.71 | 76.48 | 72.28 | 67.80 |
| G 68.0 | 107.78 | 105.80 | 103.18 | 100.29 | 97.36 | 94.26 | 90.74 | 86.63 | 82.20 | 77.77 | 73.60 | 69.45 | 64.99 |
| G 69.0 | 104.99 | 103.00 | 100.40 | 97.51 | 94.58 | 91.45 | 87.91 | 83.80 | 79.36 | 74.92 | 70.70 | 66.51 | 62.05 |
| G 70.0 | 102.28 | 100.26 | 97.60 | 94.66 | 91.73 | 88.63 | 85.10 | 80.98 | 76.50 | 72.02 | 67.78 | 63.58 | 59.14 |
| G 71.0 | 99.41 | 97.54 | 94.90 | 91.90 | 88.86 | 85.67 | 82.10 | 78.01 | 73.62 | 69.20 | 64.96 | 60.73 | 56.24 |
| G 72.0 | 95.64 | 94.01 | 91.72 | 89.02 | 86.09 | 82.86 | 79.20 | 75.04 | 70.60 | 66.16 | 61.92 | 57.69 | 53.23 |

**Luminaria**
Código PX-0468-BLA
Nombre KAPA
**Ensayo**
Código PX-0468-BLA
Nombre KAPA

| Flujo Luminaria | 443.60 lm | Potencia luminaria | 10.30 W | Eficacia | 43.07 lm/W | Eficiencia | 100.00% |
|---|---|---|---|---|---|---|---|
| Flujo de Lámpara | 443.60 lm | Valor Máximo | 183.99 cd/klm | Posición | C=175.00 G=159.00 | CG | Asimétrico |

**Tabla de Intensidad Luminosa cd/klm** **Tabla 5/18**

| | C 260.00 | C 265.00 | C 270.00 | C 275.00 | C 280.00 | C 285.00 | C 290.00 | C 295.00 | C 300.00 | C 305.00 | C 310.00 | C 315.00 | C 320.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 0.0 | 166.38 | 165.91 | 165.44 | 165.14 | 165.02 | 165.04 | 165.14 | 165.28 | 165.38 | 165.37 | 165.37 | 165.36 | 165.34 |
| G 1.0 | 166.60 | 166.05 | 165.54 | 165.19 | 164.98 | 164.86 | 164.77 | 164.70 | 164.66 | 164.64 | 164.59 | 164.43 | 164.14 |
| G 2.0 | 166.83 | 166.05 | 165.29 | 164.71 | 164.33 | 164.09 | 163.93 | 163.83 | 163.72 | 163.58 | 163.40 | 163.20 | 163.00 |
| G 3.0 | 167.10 | 166.03 | 165.03 | 164.37 | 163.96 | 163.66 | 163.34 | 163.00 | 162.67 | 162.37 | 162.08 | 161.82 | 161.56 |
| G 4.0 | 166.95 | 165.77 | 164.67 | 163.90 | 163.40 | 163.01 | 162.61 | 162.19 | 161.80 | 161.44 | 161.08 | 160.68 | 160.20 |
| G 5.0 | 166.95 | 165.62 | 164.38 | 163.48 | 162.87 | 162.39 | 161.92 | 161.42 | 160.89 | 160.32 | 159.77 | 159.27 | 158.87 |
| G 6.0 | 166.88 | 165.29 | 163.85 | 162.87 | 162.24 | 161.73 | 161.15 | 160.52 | 159.88 | 159.25 | 158.64 | 158.03 | 157.40 |
| G 7.0 | 166.59 | 165.00 | 163.54 | 162.49 | 161.73 | 161.04 | 160.26 | 159.41 | 158.59 | 157.86 | 157.19 | 156.53 | 155.87 |
| G 8.0 | 166.63 | 164.77 | 163.03 | 161.74 | 160.82 | 160.06 | 159.28 | 158.46 | 157.59 | 156.70 | 155.84 | 155.04 | 154.37 |
| G 9.0 | 166.34 | 164.42 | 162.61 | 161.23 | 160.18 | 159.27 | 158.37 | 157.44 | 156.49 | 155.53 | 154.57 | 153.64 | 152.76 |
| G 10.0 | 165.91 | 164.01 | 162.21 | 160.75 | 159.56 | 158.45 | 157.30 | 156.13 | 155.01 | 154.00 | 153.06 | 152.14 | 151.21 |
| G 11.0 | 165.63 | 163.66 | 161.72 | 160.04 | 158.58 | 157.28 | 156.04 | 154.86 | 153.70 | 152.56 | 151.45 | 150.40 | 149.42 |
| G 12.0 | 165.19 | 163.02 | 160.92 | 159.15 | 157.66 | 156.28 | 154.92 | 153.59 | 152.35 | 151.22 | 150.14 | 149.05 | 147.90 |
| G 13.0 | 164.66 | 162.48 | 160.35 | 158.48 | 156.83 | 155.27 | 153.73 | 152.22 | 150.81 | 149.54 | 148.36 | 147.19 | 145.98 |
| G 14.0 | 164.13 | 161.82 | 159.54 | 157.52 | 155.74 | 154.08 | 152.46 | 150.90 | 149.43 | 148.06 | 146.76 | 145.50 | 144.24 |
| G 15.0 | 163.77 | 161.18 | 158.67 | 156.54 | 154.70 | 152.96 | 151.17 | 149.40 | 147.75 | 146.30 | 144.98 | 143.68 | 142.34 |
| G 16.0 | 162.76 | 160.17 | 157.63 | 155.37 | 153.34 | 151.42 | 149.53 | 147.71 | 146.06 | 144.63 | 143.32 | 141.99 | 140.55 |
| G 17.0 | 162.05 | 159.19 | 156.44 | 154.10 | 152.09 | 150.19 | 148.29 | 146.41 | 144.63 | 143.02 | 141.54 | 140.12 | 138.71 |
| G 18.0 | 161.12 | 158.22 | 155.44 | 153.08 | 151.01 | 148.98 | 146.85 | 144.71 | 142.74 | 141.07 | 139.58 | 138.11 | 136.56 |
| G 19.0 | 160.25 | 157.17 | 154.25 | 151.77 | 149.61 | 147.53 | 145.36 | 143.19 | 141.15 | 139.35 | 137.73 | 136.18 | 134.63 |
| G 20.0 | 159.45 | 156.25 | 153.19 | 150.59 | 148.32 | 146.16 | 143.93 | 141.69 | 139.56 | 137.64 | 135.88 | 134.21 | 132.57 |
| G 21.0 | 158.57 | 155.33 | 152.21 | 149.50 | 147.08 | 144.72 | 142.24 | 139.78 | 137.53 | 135.61 | 133.91 | 132.27 | 130.56 |
| G 22.0 | 157.52 | 154.35 | 151.20 | 148.30 | 145.61 | 143.03 | 140.49 | 138.07 | 135.85 | 133.89 | 132.10 | 130.35 | 128.56 |
| G 23.0 | 156.47 | 153.27 | 150.09 | 147.11 | 144.31 | 141.62 | 138.97 | 136.43 | 134.05 | 131.89 | 129.90 | 128.02 | 126.21 |
| G 24.0 | 155.19 | 151.85 | 148.55 | 145.46 | 142.56 | 139.78 | 137.05 | 134.44 | 132.06 | 129.97 | 128.05 | 126.17 | 124.23 |
| G 25.0 | 153.96 | 150.49 | 147.07 | 143.94 | 141.02 | 138.17 | 135.29 | 132.52 | 130.01 | 127.88 | 125.97 | 124.08 | 122.08 |
| G 26.0 | 152.54 | 148.89 | 145.37 | 142.25 | 139.41 | 136.64 | 133.79 | 130.94 | 128.26 | 125.85 | 123.68 | 121.65 | 119.70 |
| G 27.0 | 151.36 | 147.61 | 143.94 | 140.61 | 137.55 | 134.61 | 131.66 | 128.79 | 126.15 | 123.80 | 121.66 | 119.57 | 117.45 |
| G 28.0 | 149.89 | 146.04 | 142.31 | 138.95 | 135.88 | 132.88 | 129.84 | 126.86 | 124.12 | 121.72 | 119.57 | 117.51 | 115.43 |
| G 29.0 | 148.67 | 144.86 | 141.10 | 137.63 | 134.37 | 131.18 | 127.99 | 124.87 | 121.99 | 119.43 | 117.13 | 114.98 | 112.90 |
| G 30.0 | 147.16 | 143.24 | 139.36 | 135.77 | 132.42 | 129.18 | 125.99 | 122.91 | 120.06 | 117.50 | 115.15 | 112.88 | 110.61 |
| G 31.0 | 145.66 | 141.62 | 137.65 | 134.01 | 130.62 | 127.32 | 124.01 | 120.78 | 117.78 | 115.13 | 112.73 | 110.46 | 108.23 |
| G 32.0 | 144.16 | 140.05 | 136.00 | 132.27 | 128.79 | 125.41 | 122.05 | 118.78 | 115.74 | 113.01 | 110.53 | 108.19 | 105.90 |
| G 33.0 | 142.45 | 138.09 | 133.89 | 130.19 | 126.82 | 123.50 | 120.05 | 116.60 | 113.42 | 110.67 | 108.22 | 105.89 | 103.54 |
| G 34.0 | 140.75 | 136.40 | 132.16 | 128.35 | 124.85 | 121.42 | 117.92 | 114.47 | 111.26 | 108.44 | 105.91 | 103.53 | 101.21 |
| G 35.0 | 139.00 | 134.72 | 130.49 | 126.56 | 122.86 | 119.27 | 115.68 | 112.21 | 108.99 | 106.13 | 103.52 | 101.05 | 98.61 |
| G 36.0 | 137.23 | 132.87 | 128.59 | 124.62 | 120.90 | 117.25 | 113.57 | 109.99 | 106.72 | 103.87 | 101.31 | 98.83 | 96.31 |
| G 37.0 | 135.39 | 131.03 | 126.72 | 122.69 | 118.88 | 115.13 | 111.33 | 107.64 | 104.26 | 101.34 | 98.75 | 96.28 | 93.80 |
| G 38.0 | 133.70 | 129.28 | 124.87 | 120.73 | 116.79 | 112.94 | 109.11 | 105.41 | 102.02 | 99.05 | 96.37 | 93.80 | 91.24 |
| G 39.0 | 131.64 | 127.12 | 122.66 | 118.53 | 114.64 | 110.80 | 106.92 | 103.12 | 99.63 | 96.57 | 93.83 | 91.25 | 88.69 |
| G 40.0 | 129.64 | 124.94 | 120.34 | 116.12 | 112.20 | 108.39 | 104.54 | 100.79 | 97.31 | 94.24 | 91.48 | 88.86 | 86.29 |
| G 41.0 | 127.62 | 122.92 | 118.31 | 114.09 | 110.15 | 106.27 | 102.33 | 98.46 | 94.86 | 91.68 | 88.82 | 86.14 | 83.54 |
| G 42.0 | 125.62 | 120.94 | 116.31 | 111.98 | 107.88 | 103.88 | 99.88 | 96.01 | 92.44 | 89.30 | 86.47 | 83.76 | 81.07 |
| G 43.0 | 123.51 | 118.76 | 114.06 | 109.68 | 105.55 | 101.53 | 97.52 | 93.64 | 90.05 | 86.86 | 83.96 | 81.20 | 78.48 |
| G 44.0 | 121.51 | 116.76 | 112.05 | 107.63 | 103.44 | 99.32 | 95.20 | 91.21 | 87.52 | 84.27 | 81.35 | 78.56 | 75.80 |
| G 45.0 | 119.28 | 114.42 | 109.64 | 105.20 | 101.02 | 96.92 | 92.77 | 88.72 | 84.98 | 81.68 | 78.72 | 75.92 | 73.17 |
| G 46.0 | 117.06 | 112.13 | 107.25 | 102.73 | 98.48 | 94.34 | 90.19 | 86.16 | 82.43 | 79.11 | 76.12 | 73.30 | 70.55 |
| G 47.0 | 114.75 | 109.87 | 105.04 | 100.52 | 96.24 | 92.04 | 87.83 | 83.73 | 79.93 | 76.55 | 73.50 | 70.63 | 67.85 |
| G 48.0 | 112.43 | 107.55 | 102.70 | 98.11 | 93.74 | 89.48 | 85.26 | 81.19 | 77.40 | 73.99 | 70.88 | 67.96 | 65.13 |
| G 49.0 | 110.24 | 105.24 | 100.31 | 95.71 | 91.36 | 87.09 | 82.80 | 78.63 | 74.77 | 71.35 | 68.28 | 65.38 | 62.55 |
| G 50.0 | 107.79 | 102.74 | 97.76 | 93.12 | 88.75 | 84.47 | 80.18 | 75.99 | 72.12 | 68.69 | 65.59 | 62.67 | 59.82 |
| G 51.0 | 105.30 | 100.23 | 95.24 | 90.60 | 86.23 | 81.94 | 77.60 | 73.37 | 69.46 | 66.02 | 62.92 | 59.99 | 57.12 |
| G 52.0 | 103.00 | 97.82 | 92.72 | 88.00 | 83.58 | 79.28 | 74.98 | 70.78 | 66.87 | 63.35 | 60.17 | 57.19 | 54.35 |
| G 53.0 | 100.53 | 95.45 | 90.41 | 85.66 | 81.14 | 76.73 | 72.35 | 68.11 | 64.20 | 60.72 | 57.57 | 54.60 | 51.71 |
| G 54.0 | 97.92 | 92.82 | 87.78 | 83.05 | 78.56 | 74.15 | 69.72 | 65.40 | 61.42 | 57.91 | 54.76 | 51.80 | 48.90 |
| G 55.0 | 95.44 | 90.12 | 84.93 | 80.21 | 75.82 | 71.53 | 67.18 | 62.89 | 58.89 | 55.31 | 52.08 | 49.06 | 46.17 |
| G 56.0 | 92.79 | 87.56 | 82.41 | 77.64 | 73.15 | 68.76 | 64.37 | 60.10 | 56.14 | 52.64 | 49.47 | 46.48 | 43.56 |
| G 57.0 | 90.28 | 85.04 | 79.90 | 75.16 | 70.69 | 66.28 | 61.79 | 57.38 | 53.30 | 49.74 | 46.57 | 43.62 | 40.76 |
| G 58.0 | 87.71 | 82.49 | 77.32 | 72.51 | 67.97 | 63.52 | 59.06 | 54.71 | 50.68 | 47.11 | 43.91 | 40.91 | 38.03 |
| G 59.0 | 84.96 | 79.74 | 74.59 | 69.80 | 65.27 | 60.82 | 56.35 | 52.00 | 47.97 | 44.42 | 41.24 | 38.28 | 35.43 |
| G 60.0 | 82.18 | 76.95 | 71.81 | 67.04 | 62.55 | 58.12 | 53.63 | 49.24 | 45.19 | 41.64 | 38.49 | 35.56 | 32.74 |
| G 61.0 | 79.61 | 74.36 | 69.19 | 64.37 | 59.82 | 55.38 | 50.92 | 46.59 | 42.58 | 39.02 | 35.83 | 32.88 | 30.06 |
| G 62.0 | 76.91 | 71.68 | 66.49 | 61.63 | 57.03 | 52.54 | 48.08 | 43.78 | 39.82 | 36.34 | 33.23 | 30.33 | 27.56 |
| G 63.0 | 74.05 | 68.86 | 63.75 | 58.97 | 54.42 | 49.93 | 45.42 | 41.03 | 37.01 | 33.52 | 30.45 | 27.61 | 24.89 |
| G 64.0 | 71.26 | 65.98 | 60.80 | 56.00 | 51.51 | 47.11 | 42.69 | 38.39 | 34.44 | 30.99 | 27.94 | 25.11 | 22.41 |
| G 65.0 | 68.56 | 63.26 | 58.07 | 53.27 | 48.77 | 44.38 | 39.98 | 35.71 | 31.79 | 28.38 | 25.38 | 22.62 | 19.98 |
| G 66.0 | 65.62 | 60.47 | 55.38 | 50.60 | 46.06 | 41.64 | 37.24 | 33.01 | 29.14 | 25.76 | 22.78 | 20.06 | 17.50 |
| G 67.0 | 62.85 | 57.66 | 52.56 | 47.80 | 43.32 | 38.97 | 34.64 | 30.47 | 26.64 | 23.28 | 20.32 | 17.63 | 15.14 |
| G 68.0 | 60.00 | 54.75 | 49.60 | 44.86 | 40.43 | 36.14 | 31.88 | 27.78 | 24.03 | 20.76 | 17.91 | 15.33 | 12.94 |
| G 69.0 | 57.12 | 51.96 | 46.91 | 42.21 | 37.80 | 33.52 | 29.27 | 25.19 | 21.48 | 18.29 | 15.53 | 13.06 | 10.78 |
| G 70.0 | 54.28 | 49.20 | 44.21 | 39.54 | 35.14 | 30.88 | 26.67 | 22.65 | 19.02 | 15.89 | 13.20 | 10.81 | 8.64 |
| G 71.0 | 51.34 | 46.25 | 41.28 | 36.67 | 32.36 | 28.20 | 24.10 | 20.19 | 16.66 | 13.63 | 11.05 | 8.79 | 6.76 |
| G 72.0 | 48.37 | 43.34 | 38.45 | 33.96 | 29.76 | 25.69 | 21.64 | 17.76 | 14.29 | 11.38 | 8.95 | 6.82 | 4.90 |

**Luminaria**
Código PX-0468-BLA
Nombre KAPA
**Ensayo**
Código PX-0468-BLA
Nombre KAPA

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Flujo Luminaria | 443.60 lm | Potencia luminaria | 10.30 W | Eficacia | 43.07 lm/W | Eficiencia | 100.00% |
| Flujo de Lámpara | 443.60 lm | Valor Máximo | 183.99 cd/klm | Posición | C=175.00 G=159.00 | CG | Asimétrico |

**Tabla de Intensidad Luminosa cd/klm** **Tabla 6/18**

| | C 325.00 | C 330.00 | C 335.00 | C 340.00 | C 345.00 | C 350.00 | C 355.00 |
|---|---|---|---|---|---|---|---|
| G 0.0 | 165.33 | 165.33 | 165.35 | 165.43 | 165.62 | 165.97 | 166.43 |
| G 1.0 | 163.83 | 163.66 | 163.73 | 164.00 | 164.35 | 164.70 | 165.04 |
| G 2.0 | 162.80 | 162.63 | 162.52 | 162.51 | 162.65 | 162.99 | 163.47 |
| G 3.0 | 161.34 | 161.15 | 161.02 | 160.99 | 161.11 | 161.41 | 161.85 |
| G 4.0 | 159.73 | 159.37 | 159.22 | 159.25 | 159.44 | 159.75 | 160.14 |
| G 5.0 | 158.54 | 158.23 | 157.93 | 157.71 | 157.69 | 157.95 | 158.41 |
| G 6.0 | 156.81 | 156.34 | 156.04 | 155.93 | 156.01 | 156.26 | 156.65 |
| G 7.0 | 155.25 | 154.74 | 154.40 | 154.25 | 154.29 | 154.51 | 154.86 |
| G 8.0 | 153.79 | 153.30 | 152.88 | 152.58 | 152.50 | 152.67 | 153.03 |
| G 9.0 | 151.98 | 151.36 | 150.96 | 150.77 | 150.77 | 150.92 | 151.19 |
| G 10.0 | 150.32 | 149.57 | 149.00 | 148.67 | 148.59 | 148.76 | 149.11 |
| G 11.0 | 148.54 | 147.79 | 147.22 | 146.86 | 146.73 | 146.85 | 147.15 |
| G 12.0 | 146.77 | 145.80 | 145.10 | 144.69 | 144.57 | 144.75 | 145.14 |
| G 13.0 | 144.84 | 143.91 | 143.29 | 142.96 | 142.85 | 142.92 | 143.10 |
| G 14.0 | 143.06 | 142.01 | 141.17 | 140.61 | 140.36 | 140.46 | 140.81 |
| G 15.0 | 141.04 | 139.94 | 139.14 | 138.65 | 138.46 | 138.55 | 138.84 |
| G 16.0 | 139.13 | 137.92 | 137.06 | 136.55 | 136.34 | 136.39 | 136.62 |
| G 17.0 | 137.37 | 136.15 | 135.14 | 134.40 | 134.02 | 134.05 | 134.38 |
| G 18.0 | 135.05 | 133.75 | 132.81 | 132.22 | 131.98 | 132.03 | 132.29 |
| G 19.0 | 133.16 | 131.88 | 130.87 | 130.19 | 129.84 | 129.82 | 130.03 |
| G 20.0 | 131.03 | 129.68 | 128.58 | 127.82 | 127.43 | 127.43 | 127.72 |
| G 21.0 | 128.90 | 127.48 | 126.44 | 125.78 | 125.46 | 125.42 | 125.57 |
| G 22.0 | 126.83 | 125.33 | 124.18 | 123.41 | 123.01 | 122.95 | 123.15 |
| G 23.0 | 124.54 | 123.08 | 121.92 | 121.10 | 120.67 | 120.62 | 120.85 |
| G 24.0 | 122.36 | 120.74 | 119.54 | 118.74 | 118.34 | 118.30 | 118.49 |
| G 25.0 | 120.12 | 118.41 | 117.14 | 116.31 | 115.90 | 115.87 | 116.09 |
| G 26.0 | 117.88 | 116.26 | 114.92 | 113.93 | 113.39 | 113.35 | 113.66 |
| G 27.0 | 115.42 | 113.70 | 112.43 | 111.62 | 111.22 | 111.18 | 111.39 |
| G 28.0 | 113.43 | 111.65 | 110.21 | 109.18 | 108.61 | 108.51 | 108.74 |
| G 29.0 | 110.95 | 109.23 | 107.82 | 106.80 | 106.23 | 106.13 | 106.37 |
| G 30.0 | 108.47 | 106.61 | 105.18 | 104.21 | 103.71 | 103.66 | 103.94 |
| G 31.0 | 106.15 | 104.35 | 102.94 | 101.97 | 101.43 | 101.30 | 101.47 |
| G 32.0 | 103.76 | 101.88 | 100.38 | 99.31 | 98.71 | 98.59 | 98.83 |
| G 33.0 | 101.31 | 99.38 | 97.92 | 96.92 | 96.39 | 96.26 | 96.43 |
| G 34.0 | 99.02 | 97.10 | 95.57 | 94.47 | 93.83 | 93.65 | 93.80 |
| G 35.0 | 96.33 | 94.35 | 92.81 | 91.74 | 91.15 | 91.03 | 91.23 |
| G 36.0 | 93.89 | 91.80 | 90.21 | 89.15 | 88.59 | 88.48 | 88.70 |
| G 37.0 | 91.43 | 89.38 | 87.80 | 86.71 | 86.09 | 85.93 | 86.07 |
| G 38.0 | 88.80 | 86.69 | 85.06 | 83.94 | 83.33 | 83.18 | 83.37 |
| G 39.0 | 86.27 | 84.17 | 82.53 | 81.40 | 80.78 | 80.67 | 80.92 |
| G 40.0 | 83.85 | 81.72 | 80.03 | 78.82 | 78.15 | 78.00 | 78.23 |
| G 41.0 | 81.11 | 78.99 | 77.32 | 76.14 | 75.47 | 75.31 | 75.52 |
| G 42.0 | 78.52 | 76.32 | 74.62 | 73.46 | 72.82 | 72.67 | 72.87 |
| G 43.0 | 75.91 | 73.68 | 71.94 | 70.74 | 70.07 | 69.92 | 70.14 |
| G 44.0 | 73.20 | 70.96 | 69.22 | 68.03 | 67.37 | 67.21 | 67.41 |
| G 45.0 | 70.58 | 68.35 | 66.60 | 65.39 | 64.71 | 64.56 | 64.76 |
| G 46.0 | 67.98 | 65.74 | 63.97 | 62.71 | 61.99 | 61.79 | 61.97 |
| G 47.0 | 65.27 | 63.03 | 61.27 | 60.03 | 59.32 | 59.11 | 59.27 |
| G 48.0 | 62.50 | 60.23 | 58.44 | 57.17 | 56.46 | 56.29 | 56.51 |
| G 49.0 | 59.89 | 57.57 | 55.75 | 54.47 | 53.75 | 53.57 | 53.78 |
| G 50.0 | 57.16 | 54.85 | 53.03 | 51.76 | 51.04 | 50.84 | 51.03 |
| G 51.0 | 54.42 | 52.06 | 50.22 | 48.92 | 48.20 | 48.03 | 48.26 |
| G 52.0 | 51.73 | 49.44 | 47.61 | 46.29 | 45.52 | 45.32 | 45.52 |
| G 53.0 | 49.01 | 46.68 | 44.86 | 43.58 | 42.84 | 42.64 | 42.80 |
| G 54.0 | 46.20 | 43.86 | 42.03 | 40.76 | 40.04 | 39.87 | 40.08 |
| G 55.0 | 43.50 | 41.19 | 39.38 | 38.09 | 37.37 | 37.19 | 37.40 |
| G 56.0 | 40.82 | 38.48 | 36.67 | 35.42 | 34.72 | 34.53 | 34.70 |
| G 57.0 | 38.10 | 35.79 | 33.98 | 32.71 | 32.00 | 31.81 | 32.00 |
| G 58.0 | 35.36 | 33.08 | 31.31 | 30.08 | 29.39 | 29.22 | 29.42 |
| G 59.0 | 32.79 | 30.52 | 28.75 | 27.51 | 26.80 | 26.61 | 26.77 |
| G 60.0 | 30.11 | 27.86 | 26.12 | 24.90 | 24.23 | 24.06 | 24.25 |
| G 61.0 | 27.47 | 25.26 | 23.55 | 22.36 | 21.70 | 21.55 | 21.75 |
| G 62.0 | 25.00 | 22.81 | 21.12 | 19.96 | 19.31 | 19.13 | 19.30 |
| G 63.0 | 22.38 | 20.24 | 18.61 | 17.48 | 16.86 | 16.71 | 16.88 |
| G 64.0 | 19.92 | 17.81 | 16.21 | 15.13 | 14.55 | 14.42 | 14.61 |
| G 65.0 | 17.58 | 15.54 | 13.99 | 12.94 | 12.37 | 12.23 | 12.39 |
| G 66.0 | 15.19 | 13.24 | 11.77 | 10.77 | 10.23 | 10.10 | 10.26 |
| G 67.0 | 12.90 | 11.03 | 9.63 | 8.69 | 8.19 | 8.10 | 8.29 |
| G 68.0 | 10.81 | 9.03 | 7.70 | 6.82 | 6.35 | 6.25 | 6.41 |
| G 69.0 | 8.75 | 7.07 | 5.83 | 5.01 | 4.58 | 4.50 | 4.65 |
| G 70.0 | 6.73 | 5.18 | 4.04 | 3.32 | 2.95 | 2.90 | 3.07 |
| G 71.0 | 5.02 | 3.62 | 2.62 | 2.01 | 1.74 | 1.77 | 2.01 |
| G 72.0 | 3.26 | 2.06 | 1.39 | 1.12 | 1.09 | 1.15 | 1.25 |

**Luminaria**
Código PX-0468-BLA
Nombre KAPA
**Ensayo**
Código PX-0468-BLA
Nombre KAPA

| Flujo Luminaria | 443.60 lm | Potencia luminaria | 10.30 W | Eficacia | 43.07 lm/W | Eficiencia | 100.00% |
|---|---|---|---|---|---|---|---|
| Flujo de Lámpara | 443.60 lm | Valor Máximo | 183.99 cd/klm | Posición | C=175.00 G=159.00 | CG | Asimétrico |

**Tabla de Intensidad Luminosa cd/klm** **Tabla 7/18**

| | C 0.00 | C 5.00 | C 10.00 | C 15.00 | C 20.00 | C 25.00 | C 30.00 | C 35.00 | C 40.00 | C 45.00 | C 50.00 | C 55.00 | C 60.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 73.0 | 1.25 | 1.34 | 1.43 | 1.52 | 1.60 | 1.68 | 1.75 | 2.62 | 4.05 | 6.01 | 8.47 | 11.32 | 14.42 |
| G 74.0 | 1.22 | 1.46 | 1.57 | 1.45 | 1.17 | 0.90 | 0.62 | 1.23 | 2.47 | 4.28 | 6.56 | 9.23 | 12.18 |
| G 75.0 | 1.25 | 1.48 | 1.59 | 1.48 | 1.09 | 0.63 | 0.35 | 0.50 | 1.20 | 2.54 | 4.58 | 7.15 | 10.07 |
| G 76.0 | 1.28 | 1.52 | 1.64 | 1.51 | 1.07 | 0.52 | 0.09 | 0.01 | 0.43 | 1.44 | 3.11 | 5.34 | 7.97 |
| G 77.0 | 1.30 | 1.52 | 1.64 | 1.54 | 1.16 | 0.63 | 0.10 | 0.00 | 0.00 | 0.34 | 1.64 | 3.57 | 5.97 |
| G 78.0 | 1.24 | 1.45 | 1.56 | 1.47 | 1.10 | 0.59 | 0.11 | 0.00 | 0.00 | 0.17 | 0.98 | 2.30 | 4.18 |
| G 79.0 | 1.10 | 1.29 | 1.39 | 1.30 | 0.97 | 0.53 | 0.14 | 0.00 | 0.00 | 0.15 | 0.53 | 1.28 | 2.63 |
| G 80.0 | 0.94 | 1.11 | 1.20 | 1.12 | 0.82 | 0.45 | 0.16 | 0.10 | 0.15 | 0.17 | 0.47 | 0.78 | 1.08 |
| G 81.0 | 0.82 | 0.96 | 1.03 | 0.95 | 0.70 | 0.38 | 0.17 | 0.16 | 0.23 | 0.18 | 0.22 | 0.26 | 0.30 |
| G 82.0 | 0.84 | 0.96 | 1.01 | 0.93 | 0.69 | 0.40 | 0.19 | 0.19 | 0.19 | 0.19 | 0.01 | 0.00 | 0.16 |
| G 83.0 | 0.93 | 1.02 | 1.06 | 0.97 | 0.73 | 0.43 | 0.21 | 0.20 | 0.20 | 0.20 | 0.15 | 0.10 | 0.16 |
| G 84.0 | 1.02 | 1.12 | 1.16 | 1.06 | 0.80 | 0.48 | 0.23 | 0.22 | 0.22 | 0.22 | 0.21 | 0.18 | 0.17 |
| G 85.0 | 1.07 | 1.20 | 1.24 | 1.15 | 0.87 | 0.53 | 0.25 | 0.24 | 0.24 | 0.23 | 0.27 | 0.26 | 0.18 |
| G 86.0 | 1.14 | 1.31 | 1.40 | 1.31 | 0.99 | 0.59 | 0.28 | 0.31 | 0.35 | 0.38 | 0.33 | 0.28 | 0.22 |
| G 87.0 | 1.31 | 1.51 | 1.60 | 1.51 | 1.17 | 0.73 | 0.41 | 0.45 | 0.49 | 0.53 | 0.45 | 0.37 | 0.29 |
| G 88.0 | 1.53 | 1.70 | 1.79 | 1.68 | 1.35 | 0.94 | 0.66 | 0.66 | 0.81 | 0.91 | 0.83 | 0.61 | 0.36 |
| G 89.0 | 1.74 | 1.88 | 1.94 | 1.84 | 1.53 | 1.16 | 0.92 | 0.93 | 1.07 | 1.11 | 0.94 | 0.64 | 0.37 |
| G 90.0 | 3.75 | 3.81 | 3.79 | 3.62 | 3.27 | 2.85 | 2.52 | 2.38 | 2.30 | 2.07 | 1.59 | 1.02 | 0.63 |
| G 91.0 | 1.74 | 1.69 | 1.64 | 1.57 | 1.48 | 1.36 | 1.23 | 1.08 | 0.91 | 0.70 | 0.47 | 0.27 | 0.16 |
| G 92.0 | 1.53 | 1.49 | 1.44 | 1.38 | 1.29 | 1.19 | 1.07 | 0.93 | 0.78 | 0.61 | 0.41 | 0.24 | 0.14 |
| G 93.0 | 1.31 | 1.28 | 1.24 | 1.19 | 1.11 | 1.01 | 0.91 | 0.79 | 0.66 | 0.51 | 0.36 | 0.22 | 0.12 |
| G 94.0 | 1.14 | 1.10 | 1.06 | 1.02 | 0.95 | 0.87 | 0.78 | 0.66 | 0.53 | 0.42 | 0.33 | 0.24 | 0.11 |
| G 95.0 | 1.07 | 1.02 | 0.96 | 0.90 | 0.82 | 0.74 | 0.64 | 0.54 | 0.44 | 0.37 | 0.33 | 0.27 | 0.10 |
| G 96.0 | 1.02 | 0.95 | 0.88 | 0.80 | 0.72 | 0.63 | 0.55 | 0.47 | 0.41 | 0.39 | 0.39 | 0.34 | 0.12 |
| G 97.0 | 0.93 | 0.87 | 0.80 | 0.73 | 0.65 | 0.57 | 0.50 | 0.46 | 0.44 | 0.41 | 0.36 | 0.27 | 0.15 |
| G 98.0 | 0.84 | 0.79 | 0.74 | 0.67 | 0.60 | 0.53 | 0.51 | 0.50 | 0.49 | 0.48 | 0.39 | 0.31 | 0.22 |
| G 99.0 | 0.82 | 0.77 | 0.72 | 0.67 | 0.66 | 0.64 | 0.63 | 0.59 | 0.56 | 0.52 | 0.43 | 0.34 | 0.25 |
| G100.0 | 0.94 | 0.88 | 0.82 | 0.77 | 0.76 | 0.74 | 0.73 | 0.65 | 0.58 | 0.51 | 0.44 | 0.38 | 0.31 |
| G101.0 | 1.10 | 1.02 | 0.95 | 0.89 | 0.85 | 0.82 | 0.79 | 0.74 | 0.66 | 0.49 | 0.76 | 1.03 | 1.29 |
| G102.0 | 1.24 | 1.15 | 1.07 | 1.00 | 0.94 | 0.88 | 0.80 | 0.68 | 0.56 | 0.47 | 0.51 | 0.98 | 2.27 |
| G103.0 | 1.30 | 1.20 | 1.11 | 1.04 | 0.99 | 0.91 | 0.77 | 0.55 | 0.39 | 0.50 | 1.05 | 2.18 | 4.03 |
| G104.0 | 1.28 | 1.17 | 1.08 | 1.01 | 0.96 | 0.90 | 0.74 | 0.74 | 0.74 | 0.74 | 1.74 | 3.43 | 5.79 |
| G105.0 | 1.25 | 1.17 | 1.09 | 0.99 | 0.88 | 0.78 | 0.71 | 0.73 | 1.00 | 1.75 | 3.12 | 5.13 | 7.74 |
| G106.0 | 1.22 | 1.17 | 1.09 | 0.96 | 0.78 | 0.67 | 0.77 | 1.19 | 2.00 | 3.24 | 4.94 | 7.14 | 9.87 |
| G107.0 | 1.25 | 1.19 | 1.11 | 0.96 | 0.99 | 1.02 | 1.05 | 1.90 | 3.23 | 4.92 | 6.90 | 9.23 | 12.05 |
| G108.0 | 1.37 | 1.25 | 1.15 | 1.09 | 1.12 | 1.39 | 2.06 | 3.26 | 4.90 | 6.82 | 8.95 | 11.38 | 14.29 |
| G109.0 | 2.36 | 2.01 | 1.77 | 1.74 | 2.01 | 2.62 | 3.62 | 5.02 | 6.76 | 8.79 | 11.05 | 13.63 | 16.66 |
| G110.0 | 3.34 | 3.07 | 2.90 | 2.95 | 3.32 | 4.04 | 5.18 | 6.73 | 8.64 | 10.81 | 13.20 | 15.89 | 19.02 |
| G111.0 | 4.92 | 4.65 | 4.50 | 4.58 | 5.01 | 5.83 | 7.07 | 8.75 | 10.78 | 13.06 | 15.53 | 18.29 | 21.48 |
| G112.0 | 6.71 | 6.41 | 6.25 | 6.35 | 6.82 | 7.70 | 9.03 | 10.81 | 12.94 | 15.33 | 17.91 | 20.76 | 24.03 |
| G113.0 | 8.62 | 8.29 | 8.10 | 8.19 | 8.69 | 9.63 | 11.03 | 12.90 | 15.14 | 17.63 | 20.32 | 23.28 | 26.64 |
| G114.0 | 10.57 | 10.26 | 10.10 | 10.23 | 10.77 | 11.77 | 13.24 | 15.19 | 17.50 | 20.06 | 22.78 | 25.76 | 29.14 |
| G115.0 | 12.71 | 12.39 | 12.23 | 12.37 | 12.94 | 13.99 | 15.54 | 17.58 | 19.98 | 22.62 | 25.38 | 28.38 | 31.79 |
| G116.0 | 14.96 | 14.61 | 14.42 | 14.55 | 15.13 | 16.21 | 17.81 | 19.92 | 22.41 | 25.11 | 27.94 | 30.99 | 34.44 |
| G117.0 | 17.22 | 16.88 | 16.71 | 16.86 | 17.48 | 18.61 | 20.24 | 22.38 | 24.89 | 27.61 | 30.45 | 33.52 | 37.01 |
| G118.0 | 19.63 | 19.30 | 19.13 | 19.31 | 19.96 | 21.12 | 22.81 | 25.00 | 27.56 | 30.33 | 33.23 | 36.34 | 39.82 |
| G119.0 | 22.14 | 21.75 | 21.55 | 21.70 | 22.36 | 23.55 | 25.26 | 27.47 | 30.06 | 32.88 | 35.83 | 39.02 | 42.58 |
| G120.0 | 24.63 | 24.25 | 24.06 | 24.23 | 24.90 | 26.12 | 27.86 | 30.11 | 32.74 | 35.56 | 38.49 | 41.64 | 45.19 |
| G121.0 | 27.12 | 26.77 | 26.61 | 26.80 | 27.51 | 28.75 | 30.52 | 32.79 | 35.43 | 38.28 | 41.24 | 44.42 | 47.97 |
| G122.0 | 29.80 | 29.42 | 29.22 | 29.39 | 30.08 | 31.31 | 33.08 | 35.36 | 38.03 | 40.91 | 43.91 | 47.11 | 50.68 |
| G123.0 | 32.37 | 32.00 | 31.81 | 32.00 | 32.71 | 33.98 | 35.79 | 38.10 | 40.76 | 43.62 | 46.57 | 49.74 | 53.30 |
| G124.0 | 35.05 | 34.70 | 34.53 | 34.72 | 35.42 | 36.67 | 38.48 | 40.82 | 43.56 | 46.48 | 49.47 | 52.64 | 56.14 |
| G125.0 | 37.80 | 37.40 | 37.19 | 37.37 | 38.09 | 39.38 | 41.19 | 43.50 | 46.17 | 49.06 | 52.08 | 55.31 | 58.89 |
| G126.0 | 40.48 | 40.08 | 39.87 | 40.04 | 40.76 | 42.03 | 43.86 | 46.20 | 48.90 | 51.80 | 54.76 | 57.91 | 61.42 |
| G127.0 | 43.15 | 42.80 | 42.64 | 42.84 | 43.58 | 44.86 | 46.68 | 49.01 | 51.71 | 54.60 | 57.57 | 60.72 | 64.20 |
| G128.0 | 45.92 | 45.52 | 45.32 | 45.52 | 46.29 | 47.61 | 49.44 | 51.73 | 54.35 | 57.19 | 60.17 | 63.35 | 66.87 |
| G129.0 | 48.69 | 48.26 | 48.03 | 48.20 | 48.92 | 50.22 | 52.06 | 54.42 | 57.12 | 59.99 | 62.92 | 66.02 | 69.46 |
| G130.0 | 51.40 | 51.03 | 50.84 | 51.04 | 51.76 | 53.03 | 54.85 | 57.16 | 59.82 | 62.67 | 65.59 | 68.69 | 72.12 |
| G131.0 | 54.18 | 53.78 | 53.57 | 53.75 | 54.47 | 55.75 | 57.57 | 59.89 | 62.55 | 65.38 | 68.28 | 71.35 | 74.77 |
| G132.0 | 56.93 | 56.51 | 56.29 | 56.46 | 57.17 | 58.44 | 60.23 | 62.50 | 65.13 | 67.96 | 70.88 | 73.99 | 77.40 |
| G133.0 | 59.60 | 59.27 | 59.11 | 59.32 | 60.03 | 61.27 | 63.03 | 65.27 | 67.85 | 70.63 | 73.50 | 76.55 | 79.93 |
| G134.0 | 62.34 | 61.97 | 61.79 | 61.99 | 62.71 | 63.97 | 65.74 | 67.98 | 70.55 | 73.30 | 76.12 | 79.11 | 82.43 |
| G135.0 | 65.15 | 64.76 | 64.56 | 64.71 | 65.39 | 66.60 | 68.35 | 70.58 | 73.17 | 75.92 | 78.72 | 81.68 | 84.98 |
| G136.0 | 67.78 | 67.41 | 67.21 | 67.37 | 68.03 | 69.22 | 70.96 | 73.20 | 75.80 | 78.56 | 81.35 | 84.27 | 87.52 |
| G137.0 | 70.54 | 70.14 | 69.92 | 70.07 | 70.74 | 71.94 | 73.68 | 75.91 | 78.48 | 81.20 | 83.96 | 86.86 | 90.05 |
| G138.0 | 73.25 | 72.87 | 72.67 | 72.82 | 73.46 | 74.62 | 76.32 | 78.52 | 81.07 | 83.76 | 86.47 | 89.30 | 92.44 |
| G139.0 | 75.90 | 75.52 | 75.31 | 75.47 | 76.14 | 77.32 | 78.99 | 81.11 | 83.54 | 86.14 | 88.82 | 91.68 | 94.86 |
| G140.0 | 78.65 | 78.23 | 78.00 | 78.15 | 78.82 | 80.03 | 81.72 | 83.85 | 86.29 | 88.86 | 91.48 | 94.24 | 97.31 |
| G141.0 | 81.35 | 80.92 | 80.67 | 80.78 | 81.40 | 82.53 | 84.17 | 86.27 | 88.69 | 91.25 | 93.83 | 96.57 | 99.63 |
| G142.0 | 83.72 | 83.37 | 83.18 | 83.33 | 83.94 | 85.06 | 86.69 | 88.80 | 91.24 | 93.80 | 96.37 | 99.05 | 102.02 |
| G143.0 | 86.38 | 86.07 | 85.93 | 86.09 | 86.71 | 87.80 | 89.38 | 91.43 | 93.80 | 96.28 | 98.75 | 101.34 | 104.26 |
| G144.0 | 89.07 | 88.70 | 88.48 | 88.59 | 89.15 | 90.21 | 91.80 | 93.89 | 96.31 | 98.83 | 101.31 | 103.87 | 106.72 |
| G145.0 | 91.59 | 91.23 | 91.03 | 91.15 | 91.74 | 92.81 | 94.35 | 96.33 | 98.61 | 101.05 | 103.52 | 106.13 | 108.99 |

**Luminaria**
Código PX-0468-BLA
Nombre KAPA
**Ensayo**
Código PX-0468-BLA
Nombre KAPA

| Flujo Luminaria | 443.60 lm | Potencia luminaria | 10.30 W | Eficacia | 43.07 lm/W | Eficiencia | 100.00% |
|---|---|---|---|---|---|---|---|
| Flujo de Lámpara | 443.60 lm | Valor Máximo | 183.99 cd/klm | Posición | C=175.00 G=159.00 | CG | Asimétrico |

**Tabla de Intensidad Luminosa cd/klm** **Tabla 8/18**

| | C 65.00 | C 70.00 | C 75.00 | C 80.00 | C 85.00 | C 90.00 | C 95.00 | C 100.00 | C 105.00 | C 110.00 | C 115.00 | C 120.00 | C 125.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 73.0 | 17.70 | 21.23 | 25.13 | 29.44 | 34.00 | 38.57 | 42.98 | 47.35 | 51.86 | 56.61 | 61.40 | 65.93 | 70.00 |
| G 74.0 | 15.36 | 18.81 | 22.63 | 26.85 | 31.32 | 35.81 | 40.18 | 44.53 | 49.01 | 53.73 | 58.49 | 63.01 | 67.11 |
| G 75.0 | 13.17 | 16.52 | 20.21 | 24.31 | 28.66 | 33.06 | 37.38 | 41.69 | 46.17 | 50.89 | 55.66 | 60.21 | 64.34 |
| G 76.0 | 10.88 | 14.11 | 17.75 | 21.81 | 26.13 | 30.51 | 34.79 | 39.06 | 43.46 | 48.07 | 52.72 | 57.19 | 61.30 |
| G 77.0 | 8.71 | 11.83 | 15.36 | 19.33 | 23.57 | 27.85 | 32.03 | 36.21 | 40.55 | 45.16 | 49.83 | 54.28 | 58.32 |
| G 78.0 | 6.65 | 9.66 | 13.15 | 17.04 | 21.15 | 25.31 | 29.38 | 33.48 | 37.79 | 42.40 | 47.07 | 51.47 | 55.37 |
| G 79.0 | 4.74 | 7.55 | 10.90 | 14.67 | 18.68 | 22.77 | 26.81 | 30.89 | 35.15 | 39.65 | 44.18 | 48.46 | 52.31 |
| G 80.0 | 2.88 | 5.52 | 8.79 | 12.44 | 16.33 | 20.30 | 24.23 | 28.22 | 32.40 | 36.83 | 41.31 | 45.56 | 49.38 |
| G 81.0 | 1.68 | 3.90 | 6.80 | 10.22 | 13.97 | 17.85 | 21.72 | 25.66 | 29.78 | 34.15 | 38.55 | 42.71 | 46.45 |
| G 82.0 | 1.03 | 2.60 | 4.95 | 8.06 | 11.71 | 15.57 | 19.40 | 23.27 | 27.29 | 31.53 | 35.81 | 39.90 | 43.62 |
| G 83.0 | 0.47 | 1.34 | 3.09 | 5.92 | 9.50 | 13.35 | 17.11 | 20.83 | 24.67 | 28.74 | 32.88 | 36.91 | 40.65 |
| G 84.0 | 0.29 | 0.84 | 2.16 | 4.49 | 7.58 | 11.07 | 14.66 | 18.33 | 22.15 | 26.14 | 30.18 | 34.10 | 37.78 |
| G 85.0 | 0.09 | 0.31 | 1.23 | 3.13 | 5.82 | 9.00 | 12.42 | 16.02 | 19.77 | 23.66 | 27.57 | 31.38 | 34.98 |
| G 86.0 | 0.00 | 0.00 | 0.31 | 1.80 | 4.12 | 7.01 | 10.24 | 13.73 | 17.45 | 21.33 | 25.22 | 28.97 | 32.46 |
| G 87.0 | 0.05 | 0.00 | 0.31 | 1.28 | 2.87 | 5.06 | 7.79 | 11.03 | 14.73 | 18.81 | 22.95 | 26.81 | 30.13 |
| G 88.0 | 0.17 | 0.14 | 0.33 | 0.83 | 1.76 | 3.28 | 5.49 | 8.41 | 12.03 | 16.24 | 20.59 | 24.54 | 27.73 |
| G 89.0 | 0.27 | 0.28 | 0.34 | 0.44 | 0.85 | 1.96 | 4.02 | 6.90 | 10.40 | 14.27 | 18.16 | 21.70 | 24.66 |
| G 90.0 | 0.57 | 0.63 | 0.50 | 0.25 | 0.24 | 0.92 | 3.64 | 7.90 | 13.31 | 19.51 | 26.14 | 32.87 | 39.41 |
| G 91.0 | 0.19 | 0.23 | 0.12 | 0.17 | 0.22 | 0.27 | 1.88 | 4.31 | 7.24 | 10.37 | 13.65 | 17.10 | 20.70 |
| G 92.0 | 0.13 | 0.16 | 0.11 | 0.49 | 0.88 | 1.26 | 3.49 | 6.53 | 9.88 | 13.13 | 16.34 | 19.69 | 23.29 |
| G 93.0 | 0.09 | 0.09 | 0.10 | 0.16 | 0.71 | 2.25 | 5.10 | 8.76 | 12.55 | 15.95 | 19.12 | 22.41 | 26.05 |
| G 94.0 | 0.10 | 0.10 | 0.09 | 0.74 | 2.03 | 4.17 | 7.26 | 10.94 | 14.74 | 18.30 | 21.73 | 25.26 | 29.03 |
| G 95.0 | 0.09 | 0.09 | 0.09 | 1.29 | 3.31 | 6.10 | 9.55 | 13.37 | 17.22 | 20.85 | 24.38 | 28.02 | 31.88 |
| G 96.0 | 0.17 | 0.22 | 0.27 | 2.04 | 4.78 | 8.17 | 11.92 | 15.84 | 19.73 | 23.48 | 27.17 | 30.94 | 34.86 |
| G 97.0 | 0.06 | 0.34 | 1.43 | 3.63 | 6.72 | 10.40 | 14.35 | 18.39 | 22.36 | 26.16 | 29.90 | 33.74 | 37.78 |
| G 98.0 | 0.58 | 1.47 | 3.12 | 5.66 | 8.94 | 12.72 | 16.79 | 20.95 | 25.02 | 28.87 | 32.64 | 36.54 | 40.70 |
| G 99.0 | 1.13 | 2.70 | 4.94 | 7.80 | 11.19 | 15.02 | 19.17 | 23.46 | 27.67 | 31.66 | 35.54 | 39.49 | 43.60 |
| G100.0 | 1.77 | 4.07 | 6.92 | 10.08 | 13.56 | 17.41 | 21.65 | 26.07 | 30.43 | 34.54 | 38.50 | 42.51 | 46.68 |
| G101.0 | 3.19 | 5.90 | 9.06 | 12.40 | 15.97 | 19.89 | 24.23 | 28.76 | 33.20 | 37.35 | 41.33 | 45.38 | 49.61 |
| G102.0 | 4.60 | 7.71 | 11.19 | 14.74 | 18.43 | 22.44 | 26.87 | 31.50 | 36.03 | 40.25 | 44.29 | 48.36 | 52.59 |
| G103.0 | 6.67 | 9.89 | 13.42 | 17.06 | 20.88 | 25.02 | 29.57 | 34.29 | 38.91 | 43.20 | 47.30 | 51.41 | 55.66 |
| G104.0 | 8.77 | 12.19 | 15.84 | 19.57 | 23.47 | 27.71 | 32.35 | 37.17 | 41.84 | 46.15 | 50.25 | 54.39 | 58.73 |
| G105.0 | 10.89 | 14.43 | 18.17 | 21.99 | 26.00 | 30.35 | 35.11 | 40.04 | 44.78 | 49.09 | 53.17 | 57.32 | 61.73 |
| G106.0 | 13.13 | 16.77 | 20.61 | 24.53 | 28.61 | 33.03 | 37.84 | 42.81 | 47.60 | 51.99 | 56.16 | 60.40 | 64.88 |
| G107.0 | 15.43 | 19.20 | 23.18 | 27.21 | 31.39 | 35.85 | 40.66 | 45.60 | 50.38 | 54.80 | 59.01 | 63.27 | 67.75 |
| G108.0 | 17.76 | 21.64 | 25.69 | 29.76 | 33.96 | 38.45 | 43.34 | 48.37 | 53.23 | 57.69 | 61.92 | 66.16 | 70.60 |
| G109.0 | 20.19 | 24.10 | 28.20 | 32.36 | 36.67 | 41.28 | 46.25 | 51.34 | 56.24 | 60.73 | 64.96 | 69.20 | 73.62 |
| G110.0 | 22.65 | 26.67 | 30.88 | 35.14 | 39.54 | 44.21 | 49.20 | 54.28 | 59.14 | 63.58 | 67.78 | 72.02 | 76.50 |
| G111.0 | 25.19 | 29.27 | 33.52 | 37.80 | 42.21 | 46.91 | 51.96 | 57.12 | 62.05 | 66.51 | 70.70 | 74.92 | 79.36 |
| G112.0 | 27.78 | 31.88 | 36.14 | 40.43 | 44.86 | 49.60 | 54.75 | 60.00 | 64.99 | 69.45 | 73.60 | 77.77 | 82.20 |
| G113.0 | 30.47 | 34.64 | 38.97 | 43.32 | 47.80 | 52.56 | 57.66 | 62.85 | 67.80 | 72.28 | 76.48 | 80.71 | 85.17 |
| G114.0 | 33.01 | 37.24 | 41.64 | 46.06 | 50.60 | 55.38 | 60.47 | 65.62 | 70.54 | 75.02 | 79.23 | 83.48 | 87.93 |
| G115.0 | 35.71 | 39.98 | 44.38 | 48.77 | 53.27 | 58.07 | 63.26 | 68.56 | 73.56 | 78.02 | 82.16 | 86.32 | 90.73 |
| G116.0 | 38.39 | 42.69 | 47.11 | 51.51 | 56.00 | 60.80 | 65.98 | 71.26 | 76.27 | 80.74 | 84.89 | 89.09 | 93.55 |
| G117.0 | 41.03 | 45.42 | 49.93 | 54.42 | 58.97 | 63.75 | 68.86 | 74.05 | 78.99 | 83.46 | 87.64 | 91.83 | 96.21 |
| G118.0 | 43.78 | 48.08 | 52.54 | 57.03 | 61.63 | 66.49 | 71.68 | 76.91 | 81.84 | 86.25 | 90.35 | 94.50 | 98.93 |
| G119.0 | 46.59 | 50.92 | 55.38 | 59.82 | 64.37 | 69.19 | 74.36 | 79.61 | 84.57 | 88.99 | 93.09 | 97.22 | 101.59 |
| G120.0 | 49.24 | 53.63 | 58.12 | 62.55 | 67.04 | 71.81 | 76.95 | 82.18 | 87.14 | 91.57 | 95.69 | 99.85 | 104.26 |
| G121.0 | 52.00 | 56.35 | 60.82 | 65.27 | 69.80 | 74.59 | 79.74 | 84.96 | 89.88 | 94.27 | 98.34 | 102.43 | 106.78 |
| G122.0 | 54.71 | 59.06 | 63.52 | 67.97 | 72.51 | 77.32 | 82.49 | 87.71 | 92.62 | 96.96 | 100.97 | 105.01 | 109.33 |
| G123.0 | 57.38 | 61.79 | 66.28 | 70.69 | 75.16 | 79.90 | 85.04 | 90.28 | 95.20 | 99.53 | 103.52 | 107.54 | 111.84 |
| G124.0 | 60.10 | 64.37 | 68.76 | 73.15 | 77.64 | 82.41 | 87.56 | 92.79 | 97.72 | 102.10 | 106.13 | 110.15 | 114.39 |
| G125.0 | 62.89 | 67.18 | 71.53 | 75.82 | 80.21 | 84.93 | 90.12 | 95.44 | 100.42 | 104.77 | 108.73 | 112.69 | 116.91 |
| G126.0 | 65.40 | 69.72 | 74.15 | 78.56 | 83.05 | 87.78 | 92.82 | 97.92 | 102.75 | 107.07 | 111.08 | 115.10 | 119.33 |
| G127.0 | 68.11 | 72.35 | 76.73 | 81.14 | 85.66 | 90.41 | 95.45 | 100.53 | 105.31 | 109.57 | 113.53 | 117.50 | 121.70 |
| G128.0 | 70.78 | 74.98 | 79.28 | 83.58 | 88.00 | 92.72 | 97.82 | 103.00 | 107.85 | 112.09 | 115.97 | 119.85 | 123.97 |
| G129.0 | 73.37 | 77.60 | 81.94 | 86.23 | 90.60 | 95.24 | 100.23 | 105.30 | 110.07 | 114.29 | 118.19 | 122.14 | 126.36 |
| G130.0 | 75.99 | 80.18 | 84.47 | 88.75 | 93.12 | 97.76 | 102.74 | 107.79 | 112.53 | 116.71 | 120.55 | 124.39 | 128.46 |
| G131.0 | 78.63 | 82.80 | 87.09 | 91.36 | 95.71 | 100.31 | 105.24 | 110.24 | 114.94 | 119.10 | 122.93 | 126.77 | 130.83 |
| G132.0 | 81.19 | 85.26 | 89.48 | 93.74 | 98.11 | 102.70 | 107.55 | 112.43 | 117.04 | 121.18 | 125.04 | 128.89 | 132.92 |
| G133.0 | 83.73 | 87.83 | 92.04 | 96.24 | 100.52 | 105.04 | 109.87 | 114.75 | 119.35 | 123.44 | 127.22 | 130.99 | 134.96 |
| G134.0 | 86.16 | 90.19 | 94.34 | 98.48 | 102.73 | 107.25 | 112.13 | 117.06 | 121.68 | 125.71 | 129.40 | 133.10 | 137.05 |
| G135.0 | 88.72 | 92.77 | 96.92 | 101.02 | 105.20 | 109.64 | 114.42 | 119.28 | 123.84 | 127.84 | 131.51 | 135.19 | 139.10 |
| G136.0 | 91.21 | 95.20 | 99.32 | 103.44 | 107.63 | 112.05 | 116.76 | 121.51 | 125.96 | 129.88 | 133.48 | 137.11 | 140.97 |
| G137.0 | 93.64 | 97.52 | 101.53 | 105.55 | 109.68 | 114.06 | 118.76 | 123.51 | 128.00 | 131.98 | 135.64 | 139.25 | 143.02 |
| G138.0 | 96.01 | 99.88 | 103.88 | 107.88 | 111.98 | 116.31 | 120.94 | 125.62 | 130.02 | 133.91 | 137.50 | 141.08 | 144.86 |
| G139.0 | 98.46 | 102.33 | 106.27 | 110.15 | 114.09 | 118.31 | 122.92 | 127.62 | 132.03 | 135.88 | 139.39 | 142.86 | 146.53 |
| G140.0 | 100.79 | 104.54 | 108.39 | 112.20 | 116.12 | 120.34 | 124.94 | 129.64 | 134.03 | 137.85 | 141.31 | 144.75 | 148.39 |
| G141.0 | 103.12 | 106.92 | 110.80 | 114.64 | 118.53 | 122.66 | 127.12 | 131.64 | 135.90 | 139.64 | 143.08 | 146.49 | 150.07 |
| G142.0 | 105.41 | 109.11 | 112.94 | 116.79 | 120.73 | 124.87 | 129.28 | 133.70 | 137.83 | 141.45 | 144.78 | 148.12 | 151.68 |
| G143.0 | 107.64 | 111.33 | 115.13 | 118.88 | 122.69 | 126.72 | 131.03 | 135.39 | 139.50 | 143.13 | 146.46 | 149.76 | 153.22 |
| G144.0 | 109.99 | 113.57 | 117.25 | 120.90 | 124.62 | 128.59 | 132.87 | 137.23 | 141.33 | 144.93 | 148.21 | 151.42 | 154.76 |
| G145.0 | 112.21 | 115.68 | 119.27 | 122.86 | 126.56 | 130.49 | 134.72 | 139.00 | 143.01 | 146.53 | 149.72 | 152.85 | 156.12 |

**Luminaria**
Código PX-0468-BLA
Nombre KAPA
**Ensayo**
Código PX-0468-BLA
Nombre KAPA

| Flujo Luminaria | 443.60 lm | Potencia luminaria | 10.30 W | Eficacia | 43.07 lm/W | Eficiencia | 100.00% |
|---|---|---|---|---|---|---|---|
| Flujo de Lámpara | 443.60 lm | Valor Máximo | 183.99 cd/klm | Posición | C=175.00 G=159.00 | CG | Asimétrico |

**Tabla de Intensidad Luminosa cd/klm** **Tabla 9/18**

| | C 130.00 | C 135.00 | C 140.00 | C 145.00 | C 150.00 | C 155.00 | C 160.00 | C 165.00 | C 170.00 | C 175.00 | C 180.00 | C 185.00 | C 190.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 73.0 | 73.78 | 77.53 | 81.40 | 85.14 | 88.36 | 90.78 | 92.49 | 93.68 | 94.49 | 94.97 | 95.12 | 94.90 | 94.22 |
| G 74.0 | 70.93 | 74.70 | 78.56 | 82.27 | 85.54 | 88.12 | 90.03 | 91.36 | 92.19 | 92.62 | 92.78 | 92.71 | 92.15 |
| G 75.0 | 68.13 | 71.72 | 75.22 | 78.64 | 81.98 | 85.16 | 87.84 | 89.62 | 90.26 | 90.13 | 89.77 | 89.52 | 89.09 |
| G 76.0 | 65.11 | 68.74 | 72.27 | 75.73 | 79.10 | 82.31 | 84.99 | 86.73 | 87.28 | 87.04 | 86.59 | 86.34 | 85.95 |
| G 77.0 | 62.10 | 65.85 | 69.73 | 73.56 | 77.08 | 80.03 | 82.24 | 83.54 | 83.87 | 83.60 | 83.18 | 82.92 | 82.52 |
| G 78.0 | 58.99 | 62.65 | 66.56 | 70.47 | 74.04 | 76.95 | 79.06 | 80.27 | 80.55 | 80.26 | 79.85 | 79.61 | 79.24 |
| G 79.0 | 55.92 | 59.57 | 63.45 | 67.30 | 70.78 | 73.58 | 75.59 | 76.73 | 77.00 | 76.76 | 76.41 | 76.23 | 75.90 |
| G 80.0 | 52.98 | 56.64 | 60.52 | 64.34 | 67.71 | 70.30 | 72.05 | 72.97 | 73.14 | 72.87 | 72.57 | 72.49 | 72.30 |
| G 81.0 | 49.99 | 53.62 | 57.51 | 61.32 | 64.55 | 66.84 | 68.23 | 68.89 | 69.00 | 68.80 | 68.56 | 68.44 | 68.18 |
| G 82.0 | 47.10 | 50.56 | 54.09 | 57.50 | 60.45 | 62.72 | 64.28 | 65.18 | 65.48 | 65.42 | 65.26 | 65.16 | 64.86 |
| G 83.0 | 44.17 | 47.56 | 50.87 | 54.01 | 56.82 | 59.17 | 60.94 | 62.02 | 62.39 | 62.30 | 62.07 | 61.92 | 61.58 |
| G 84.0 | 41.26 | 44.60 | 47.86 | 50.94 | 53.71 | 56.04 | 57.81 | 58.92 | 59.32 | 59.24 | 59.01 | 58.82 | 58.43 |
| G 85.0 | 38.41 | 41.71 | 44.90 | 47.91 | 50.63 | 52.95 | 54.77 | 55.99 | 56.56 | 56.67 | 56.54 | 56.31 | 55.79 |
| G 86.0 | 35.74 | 38.93 | 42.09 | 45.14 | 47.96 | 50.41 | 52.31 | 53.50 | 53.89 | 53.74 | 53.45 | 53.25 | 52.88 |
| G 87.0 | 33.12 | 36.12 | 39.32 | 42.54 | 45.45 | 47.81 | 49.50 | 50.45 | 50.68 | 50.47 | 50.17 | 49.99 | 49.67 |
| G 88.0 | 30.45 | 33.19 | 36.27 | 39.44 | 42.34 | 44.63 | 46.23 | 47.14 | 47.39 | 47.23 | 46.97 | 46.78 | 46.43 |
| G 89.0 | 27.30 | 30.03 | 33.11 | 36.29 | 39.17 | 41.43 | 43.00 | 43.89 | 44.15 | 44.01 | 43.75 | 43.56 | 43.20 |
| G 90.0 | 45.74 | 51.89 | 57.85 | 63.52 | 68.79 | 73.49 | 77.29 | 79.85 | 80.97 | 81.15 | 81.07 | 81.15 | 80.97 |
| G 91.0 | 24.27 | 27.62 | 30.59 | 33.30 | 35.87 | 38.39 | 40.63 | 42.30 | 43.20 | 43.56 | 43.75 | 44.01 | 44.15 |
| G 92.0 | 26.97 | 30.45 | 33.55 | 36.35 | 39.01 | 41.59 | 43.86 | 45.54 | 46.43 | 46.78 | 46.97 | 47.23 | 47.39 |
| G 93.0 | 29.82 | 33.42 | 36.60 | 39.46 | 42.17 | 44.79 | 47.11 | 48.80 | 49.67 | 49.99 | 50.17 | 50.47 | 50.68 |
| G 94.0 | 32.83 | 36.41 | 39.55 | 42.38 | 45.07 | 47.76 | 50.16 | 51.94 | 52.88 | 53.25 | 53.45 | 53.74 | 53.89 |
| G 95.0 | 35.76 | 39.34 | 42.41 | 45.11 | 47.71 | 50.35 | 52.79 | 54.68 | 55.79 | 56.31 | 56.54 | 56.67 | 56.56 |
| G 96.0 | 38.75 | 42.37 | 45.52 | 48.33 | 50.97 | 53.54 | 55.82 | 57.51 | 58.43 | 58.82 | 59.01 | 59.24 | 59.32 |
| G 97.0 | 41.80 | 45.50 | 48.66 | 51.43 | 54.04 | 56.63 | 58.96 | 60.68 | 61.58 | 61.92 | 62.07 | 62.30 | 62.39 |
| G 98.0 | 44.85 | 48.65 | 51.87 | 54.66 | 57.28 | 59.88 | 62.23 | 63.96 | 64.86 | 65.16 | 65.26 | 65.42 | 65.48 |
| G 99.0 | 47.73 | 51.65 | 55.17 | 58.32 | 61.17 | 63.76 | 65.91 | 67.42 | 68.18 | 68.44 | 68.56 | 68.80 | 69.00 |
| G100.0 | 50.85 | 54.80 | 58.35 | 61.57 | 64.57 | 67.41 | 69.83 | 71.52 | 72.30 | 72.49 | 72.57 | 72.87 | 73.14 |
| G101.0 | 53.86 | 57.86 | 61.42 | 64.63 | 67.66 | 70.58 | 73.14 | 74.98 | 75.90 | 76.23 | 76.41 | 76.76 | 77.00 |
| G102.0 | 56.85 | 60.89 | 64.55 | 67.88 | 71.00 | 73.94 | 76.48 | 78.30 | 79.24 | 79.61 | 79.85 | 80.26 | 80.55 |
| G103.0 | 59.90 | 63.92 | 67.56 | 70.88 | 74.02 | 77.02 | 79.64 | 81.54 | 82.52 | 82.92 | 83.18 | 83.60 | 83.87 |
| G104.0 | 63.08 | 67.15 | 70.75 | 73.99 | 77.09 | 80.17 | 82.92 | 84.93 | 85.95 | 86.34 | 86.59 | 87.04 | 87.28 |
| G105.0 | 66.17 | 70.28 | 73.82 | 76.98 | 80.01 | 83.09 | 85.90 | 87.99 | 89.09 | 89.52 | 89.77 | 90.13 | 90.26 |
| G106.0 | 69.31 | 73.30 | 76.60 | 79.48 | 82.34 | 85.44 | 88.42 | 90.78 | 92.15 | 92.71 | 92.78 | 92.62 | 92.19 |
| G107.0 | 72.19 | 76.29 | 79.80 | 82.86 | 85.69 | 88.44 | 90.93 | 92.92 | 94.22 | 94.90 | 95.12 | 94.97 | 94.49 |
| G108.0 | 75.04 | 79.20 | 82.86 | 86.09 | 89.02 | 91.72 | 94.01 | 95.64 | 96.49 | 96.84 | 97.11 | 97.57 | 97.87 |
| G109.0 | 78.01 | 82.10 | 85.67 | 88.86 | 91.90 | 94.90 | 97.54 | 99.41 | 100.23 | 100.39 | 100.44 | 100.74 | 100.95 |
| G110.0 | 80.98 | 85.10 | 88.63 | 91.73 | 94.66 | 97.60 | 100.26 | 102.28 | 103.40 | 103.86 | 104.02 | 104.11 | 103.96 |
| G111.0 | 83.80 | 87.91 | 91.45 | 94.58 | 97.51 | 100.40 | 103.00 | 104.99 | 106.13 | 106.62 | 106.75 | 106.75 | 106.48 |
| G112.0 | 86.63 | 90.74 | 94.26 | 97.36 | 100.29 | 103.18 | 105.80 | 107.78 | 108.89 | 109.34 | 109.43 | 109.41 | 109.14 |
| G113.0 | 89.60 | 93.66 | 97.11 | 100.13 | 102.98 | 105.83 | 108.43 | 110.38 | 111.42 | 111.79 | 111.86 | 111.88 | 111.69 |
| G114.0 | 92.37 | 96.43 | 99.90 | 102.93 | 105.80 | 108.67 | 111.27 | 113.24 | 114.33 | 114.74 | 114.80 | 114.76 | 114.48 |
| G115.0 | 95.15 | 99.19 | 102.61 | 105.59 | 108.43 | 111.32 | 113.95 | 115.90 | 116.90 | 117.22 | 117.25 | 117.30 | 117.18 |
| G116.0 | 98.00 | 102.07 | 105.46 | 108.37 | 111.10 | 113.84 | 116.35 | 118.27 | 119.35 | 119.80 | 119.95 | 120.02 | 119.86 |
| G117.0 | 100.57 | 104.58 | 108.02 | 111.03 | 113.82 | 116.53 | 118.95 | 120.78 | 121.80 | 122.24 | 122.41 | 122.52 | 122.40 |
| G118.0 | 103.36 | 107.42 | 110.83 | 113.75 | 116.47 | 119.16 | 121.60 | 123.47 | 124.54 | 125.01 | 125.16 | 125.21 | 125.00 |
| G119.0 | 105.96 | 109.99 | 113.41 | 116.37 | 119.11 | 121.78 | 124.16 | 125.96 | 126.98 | 127.40 | 127.53 | 127.57 | 127.36 |
| G120.0 | 108.67 | 112.69 | 116.06 | 118.95 | 121.66 | 124.36 | 126.82 | 128.66 | 129.66 | 130.03 | 130.10 | 130.12 | 129.92 |
| G121.0 | 111.14 | 115.15 | 118.54 | 121.47 | 124.20 | 126.89 | 129.31 | 131.13 | 132.14 | 132.54 | 132.63 | 132.64 | 132.43 |
| G122.0 | 113.67 | 117.68 | 121.07 | 124.01 | 126.75 | 129.45 | 131.86 | 133.66 | 134.60 | 134.93 | 134.99 | 135.02 | 134.86 |
| G123.0 | 116.17 | 120.16 | 123.54 | 126.46 | 129.16 | 131.82 | 134.20 | 135.98 | 136.94 | 137.29 | 137.36 | 137.36 | 137.17 |
| G124.0 | 118.64 | 122.56 | 125.95 | 128.91 | 131.65 | 134.31 | 136.66 | 138.42 | 139.39 | 139.76 | 139.81 | 139.76 | 139.47 |
| G125.0 | 121.17 | 125.11 | 128.48 | 131.40 | 134.08 | 136.65 | 138.91 | 140.59 | 141.49 | 141.84 | 141.94 | 142.00 | 141.85 |
| G126.0 | 123.56 | 127.45 | 130.77 | 133.66 | 136.35 | 138.98 | 141.33 | 143.10 | 144.08 | 144.45 | 144.48 | 144.37 | 144.03 |
| G127.0 | 125.90 | 129.77 | 133.06 | 135.92 | 138.58 | 141.19 | 143.52 | 145.27 | 146.23 | 146.57 | 146.62 | 146.58 | 146.31 |
| G128.0 | 128.13 | 131.97 | 135.28 | 138.16 | 140.85 | 143.48 | 145.80 | 147.51 | 148.40 | 148.68 | 148.70 | 148.70 | 148.51 |
| G129.0 | 130.58 | 134.41 | 137.58 | 140.29 | 142.85 | 145.49 | 147.91 | 149.73 | 150.69 | 150.97 | 150.91 | 150.75 | 150.40 |
| G130.0 | 132.56 | 136.35 | 139.60 | 142.45 | 145.12 | 147.73 | 150.06 | 151.80 | 152.75 | 153.09 | 153.11 | 153.02 | 152.69 |
| G131.0 | 134.89 | 138.62 | 141.79 | 144.54 | 147.11 | 149.65 | 151.92 | 153.62 | 154.51 | 154.82 | 154.83 | 154.78 | 154.52 |
| G132.0 | 136.92 | 140.61 | 143.77 | 146.55 | 149.17 | 151.75 | 154.08 | 155.82 | 156.75 | 157.03 | 156.95 | 156.71 | 156.24 |
| G133.0 | 138.93 | 142.61 | 145.80 | 148.61 | 151.21 | 153.71 | 155.93 | 157.59 | 158.51 | 158.85 | 158.87 | 158.75 | 158.39 |
| G134.0 | 141.03 | 144.69 | 147.81 | 150.52 | 153.06 | 155.58 | 157.84 | 159.50 | 160.33 | 160.55 | 160.49 | 160.38 | 160.09 |
| G135.0 | 143.02 | 146.64 | 149.70 | 152.37 | 154.88 | 157.39 | 159.65 | 161.36 | 162.27 | 162.54 | 162.40 | 162.05 | 161.49 |
| G136.0 | 144.85 | 148.45 | 151.53 | 154.22 | 156.73 | 159.19 | 161.40 | 163.05 | 163.94 | 164.25 | 164.23 | 164.08 | 163.70 |
| G137.0 | 146.77 | 150.27 | 153.34 | 156.06 | 158.56 | 160.94 | 163.02 | 164.54 | 165.36 | 165.62 | 165.57 | 165.39 | 164.99 |
| G138.0 | 148.65 | 152.12 | 155.07 | 157.63 | 160.02 | 162.36 | 164.49 | 166.12 | 167.06 | 167.43 | 167.38 | 167.07 | 166.50 |
| G139.0 | 150.23 | 153.69 | 156.72 | 159.39 | 161.86 | 164.20 | 166.27 | 167.81 | 168.70 | 169.04 | 169.06 | 168.89 | 168.46 |
| G140.0 | 152.06 | 155.46 | 158.38 | 160.93 | 163.31 | 165.64 | 167.71 | 169.24 | 170.05 | 170.29 | 170.24 | 170.08 | 169.74 |
| G141.0 | 153.67 | 156.99 | 159.85 | 162.37 | 164.71 | 167.00 | 169.05 | 170.58 | 171.42 | 171.71 | 171.68 | 171.48 | 171.08 |
| G142.0 | 155.26 | 158.56 | 161.38 | 163.84 | 166.17 | 168.49 | 170.59 | 172.16 | 173.00 | 173.25 | 173.14 | 172.84 | 172.33 |
| G143.0 | 156.69 | 159.97 | 162.87 | 165.45 | 167.79 | 169.95 | 171.79 | 173.15 | 173.90 | 174.17 | 174.15 | 173.97 | 173.56 |
| G144.0 | 158.10 | 161.23 | 164.02 | 166.52 | 168.88 | 171.15 | 173.14 | 174.61 | 175.37 | 175.57 | 175.43 | 175.13 | 174.61 |
| G145.0 | 159.41 | 162.55 | 165.40 | 167.97 | 170.32 | 172.48 | 174.31 | 175.63 | 176.32 | 176.54 | 176.49 | 176.31 | 175.91 |

**Luminaria**
Código PX-0468-BLA
Nombre KAPA
**Ensayo**
Código PX-0468-BLA
Nombre KAPA

| Flujo Luminaria | 443.60 lm | Potencia luminaria | 10.30 W | Eficacia | 43.07 lm/W | Eficiencia | 100.00% |
|---|---|---|---|---|---|---|---|
| Flujo de Lámpara | 443.60 lm | Valor Máximo | 183.99 cd/klm | Posición | C=175.00 G=159.00 | CG | Asimétrico |

**Tabla de Intensidad Luminosa cd/klm** **Tabla 10/18**

| | C 195.00 | C 200.00 | C 205.00 | C 210.00 | C 215.00 | C 220.00 | C 225.00 | C 230.00 | C 235.00 | C 240.00 | C 245.00 | C 250.00 | C 255.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 73.0 | 92.92 | 90.93 | 88.44 | 85.69 | 82.86 | 79.80 | 76.29 | 72.19 | 67.75 | 63.27 | 59.01 | 54.80 | 50.38 |
| G 74.0 | 90.78 | 88.42 | 85.44 | 82.34 | 79.48 | 76.60 | 73.30 | 69.31 | 64.88 | 60.40 | 56.16 | 51.99 | 47.60 |
| G 75.0 | 87.99 | 85.90 | 83.09 | 80.01 | 76.98 | 73.82 | 70.28 | 66.17 | 61.73 | 57.32 | 53.17 | 49.09 | 44.78 |
| G 76.0 | 84.93 | 82.92 | 80.17 | 77.09 | 73.99 | 70.75 | 67.15 | 63.08 | 58.73 | 54.39 | 50.25 | 46.15 | 41.84 |
| G 77.0 | 81.54 | 79.64 | 77.02 | 74.02 | 70.88 | 67.56 | 63.92 | 59.90 | 55.66 | 51.41 | 47.30 | 43.20 | 38.91 |
| G 78.0 | 78.30 | 76.48 | 73.94 | 71.00 | 67.88 | 64.55 | 60.89 | 56.85 | 52.59 | 48.36 | 44.29 | 40.25 | 36.03 |
| G 79.0 | 74.98 | 73.14 | 70.58 | 67.66 | 64.63 | 61.42 | 57.86 | 53.86 | 49.61 | 45.38 | 41.33 | 37.35 | 33.20 |
| G 80.0 | 71.52 | 69.83 | 67.41 | 64.57 | 61.57 | 58.35 | 54.80 | 50.85 | 46.68 | 42.51 | 38.50 | 34.54 | 30.43 |
| G 81.0 | 67.42 | 65.91 | 63.76 | 61.17 | 58.32 | 55.17 | 51.65 | 47.73 | 43.60 | 39.49 | 35.54 | 31.66 | 27.67 |
| G 82.0 | 63.96 | 62.23 | 59.88 | 57.28 | 54.66 | 51.87 | 48.65 | 44.85 | 40.70 | 36.54 | 32.64 | 28.87 | 25.02 |
| G 83.0 | 60.68 | 58.96 | 56.63 | 54.04 | 51.43 | 48.66 | 45.50 | 41.80 | 37.78 | 33.74 | 29.90 | 26.16 | 22.36 |
| G 84.0 | 57.51 | 55.82 | 53.54 | 50.97 | 48.33 | 45.52 | 42.37 | 38.75 | 34.86 | 30.94 | 27.17 | 23.48 | 19.73 |
| G 85.0 | 54.68 | 52.79 | 50.35 | 47.71 | 45.11 | 42.41 | 39.34 | 35.76 | 31.88 | 28.02 | 24.38 | 20.85 | 17.22 |
| G 86.0 | 51.94 | 50.16 | 47.76 | 45.07 | 42.38 | 39.55 | 36.41 | 32.83 | 29.03 | 25.26 | 21.73 | 18.30 | 14.74 |
| G 87.0 | 48.80 | 47.11 | 44.79 | 42.17 | 39.46 | 36.60 | 33.42 | 29.82 | 26.05 | 22.41 | 19.12 | 15.95 | 12.55 |
| G 88.0 | 45.54 | 43.86 | 41.59 | 39.01 | 36.35 | 33.55 | 30.45 | 26.97 | 23.29 | 19.69 | 16.34 | 13.13 | 9.88 |
| G 89.0 | 42.30 | 40.63 | 38.39 | 35.87 | 33.30 | 30.59 | 27.62 | 24.27 | 20.70 | 17.10 | 13.65 | 10.37 | 7.24 |
| G 90.0 | 79.85 | 77.29 | 73.49 | 68.79 | 63.52 | 57.85 | 51.89 | 45.74 | 39.41 | 32.87 | 26.14 | 19.51 | 13.31 |
| G 91.0 | 43.89 | 43.00 | 41.43 | 39.17 | 36.29 | 33.11 | 30.03 | 27.30 | 24.66 | 21.70 | 18.16 | 14.27 | 10.40 |
| G 92.0 | 47.14 | 46.23 | 44.63 | 42.34 | 39.44 | 36.27 | 33.19 | 30.45 | 27.73 | 24.54 | 20.59 | 16.24 | 12.03 |
| G 93.0 | 50.45 | 49.50 | 47.81 | 45.45 | 42.54 | 39.32 | 36.12 | 33.12 | 30.13 | 26.81 | 22.95 | 18.81 | 14.73 |
| G 94.0 | 53.50 | 52.31 | 50.41 | 47.96 | 45.14 | 42.09 | 38.93 | 35.74 | 32.46 | 28.97 | 25.22 | 21.33 | 17.45 |
| G 95.0 | 55.99 | 54.77 | 52.95 | 50.63 | 47.91 | 44.90 | 41.71 | 38.41 | 34.98 | 31.38 | 27.57 | 23.66 | 19.77 |
| G 96.0 | 58.92 | 57.81 | 56.04 | 53.71 | 50.94 | 47.86 | 44.60 | 41.26 | 37.78 | 34.10 | 30.18 | 26.14 | 22.15 |
| G 97.0 | 62.02 | 60.94 | 59.17 | 56.82 | 54.01 | 50.87 | 47.56 | 44.17 | 40.65 | 36.91 | 32.88 | 28.74 | 24.67 |
| G 98.0 | 65.18 | 64.28 | 62.72 | 60.45 | 57.50 | 54.09 | 50.56 | 47.10 | 43.62 | 39.90 | 35.81 | 31.53 | 27.29 |
| G 99.0 | 68.89 | 68.23 | 66.84 | 64.55 | 61.32 | 57.51 | 53.62 | 49.99 | 46.45 | 42.71 | 38.55 | 34.15 | 29.78 |
| G100.0 | 72.97 | 72.05 | 70.30 | 67.71 | 64.34 | 60.52 | 56.64 | 52.98 | 49.38 | 45.56 | 41.31 | 36.83 | 32.40 |
| G101.0 | 76.73 | 75.59 | 73.58 | 70.78 | 67.30 | 63.45 | 59.57 | 55.92 | 52.31 | 48.46 | 44.18 | 39.65 | 35.15 |
| G102.0 | 80.27 | 79.06 | 76.95 | 74.04 | 70.47 | 66.56 | 62.65 | 58.99 | 55.37 | 51.47 | 47.07 | 42.40 | 37.79 |
| G103.0 | 83.54 | 82.24 | 80.03 | 77.08 | 73.56 | 69.73 | 65.85 | 62.10 | 58.32 | 54.28 | 49.83 | 45.16 | 40.55 |
| G104.0 | 86.73 | 84.99 | 82.31 | 79.10 | 75.73 | 72.27 | 68.74 | 65.11 | 61.30 | 57.19 | 52.72 | 48.07 | 43.46 |
| G105.0 | 89.62 | 87.84 | 85.16 | 81.98 | 78.64 | 75.22 | 71.72 | 68.13 | 64.34 | 60.21 | 55.66 | 50.89 | 46.17 |
| G106.0 | 91.36 | 90.03 | 88.12 | 85.54 | 82.27 | 78.56 | 74.70 | 70.93 | 67.11 | 63.01 | 58.49 | 53.73 | 49.01 |
| G107.0 | 93.68 | 92.49 | 90.78 | 88.36 | 85.14 | 81.40 | 77.53 | 73.78 | 70.00 | 65.93 | 61.40 | 56.61 | 51.86 |
| G108.0 | 97.54 | 96.21 | 93.99 | 91.11 | 87.77 | 84.18 | 80.50 | 76.85 | 73.06 | 68.91 | 64.26 | 59.33 | 54.48 |
| G109.0 | 100.57 | 99.21 | 96.96 | 94.04 | 90.66 | 87.01 | 83.28 | 79.57 | 75.76 | 71.63 | 67.06 | 62.24 | 57.45 |
| G110.0 | 103.24 | 101.74 | 99.50 | 96.66 | 93.34 | 89.73 | 86.03 | 82.36 | 78.58 | 74.48 | 69.92 | 65.10 | 60.29 |
| G111.0 | 105.72 | 104.31 | 102.24 | 99.57 | 96.36 | 92.81 | 89.11 | 85.40 | 81.56 | 77.37 | 72.73 | 67.84 | 62.99 |
| G112.0 | 108.42 | 107.06 | 105.04 | 102.40 | 99.17 | 95.57 | 91.82 | 88.09 | 84.24 | 80.08 | 75.48 | 70.63 | 65.81 |
| G113.0 | 111.01 | 109.64 | 107.60 | 104.95 | 101.79 | 98.29 | 94.63 | 90.94 | 87.09 | 82.90 | 78.27 | 73.39 | 68.55 |
| G114.0 | 113.73 | 112.32 | 110.28 | 107.66 | 104.53 | 101.05 | 97.42 | 93.75 | 89.91 | 85.71 | 81.05 | 76.14 | 71.26 |
| G115.0 | 116.59 | 115.27 | 113.25 | 110.59 | 107.39 | 103.83 | 100.12 | 96.41 | 92.57 | 88.40 | 83.78 | 78.91 | 74.05 |
| G116.0 | 119.18 | 117.78 | 115.70 | 113.03 | 109.87 | 106.39 | 102.75 | 99.08 | 95.25 | 91.07 | 86.44 | 81.56 | 76.71 |
| G117.0 | 121.78 | 120.45 | 118.43 | 115.82 | 112.70 | 109.23 | 105.56 | 101.83 | 97.93 | 93.72 | 89.12 | 84.30 | 79.48 |
| G118.0 | 124.31 | 122.96 | 120.94 | 118.32 | 115.19 | 111.71 | 108.09 | 104.47 | 100.69 | 96.55 | 91.89 | 86.96 | 82.05 |
| G119.0 | 126.67 | 125.31 | 123.30 | 120.72 | 117.68 | 114.31 | 110.78 | 107.17 | 103.37 | 99.17 | 94.48 | 89.53 | 84.65 |
| G120.0 | 129.27 | 127.95 | 125.99 | 123.41 | 120.31 | 116.86 | 113.24 | 109.61 | 105.82 | 101.68 | 97.06 | 92.18 | 87.32 |
| G121.0 | 131.76 | 130.44 | 128.48 | 125.91 | 122.80 | 119.34 | 115.76 | 112.18 | 108.46 | 104.34 | 99.69 | 94.74 | 89.83 |
| G122.0 | 134.22 | 132.88 | 130.88 | 128.31 | 125.26 | 121.87 | 118.29 | 114.63 | 110.79 | 106.65 | 102.12 | 97.36 | 92.59 |
| G123.0 | 136.54 | 135.28 | 133.36 | 130.80 | 127.65 | 124.14 | 120.52 | 116.95 | 113.29 | 109.26 | 104.72 | 99.86 | 95.00 |
| G124.0 | 138.75 | 137.43 | 135.52 | 133.05 | 130.10 | 126.80 | 123.29 | 119.68 | 115.88 | 111.74 | 107.17 | 102.35 | 97.50 |
| G125.0 | 141.23 | 139.94 | 137.99 | 135.47 | 132.45 | 129.10 | 125.56 | 121.95 | 118.16 | 114.04 | 109.49 | 104.71 | 99.95 |
| G126.0 | 143.29 | 142.02 | 140.16 | 137.70 | 134.66 | 131.25 | 127.70 | 124.19 | 120.55 | 116.53 | 111.98 | 107.12 | 102.29 |
| G127.0 | 145.60 | 144.27 | 142.32 | 139.81 | 136.79 | 133.45 | 129.96 | 126.45 | 122.79 | 118.76 | 114.26 | 109.49 | 104.73 |
| G128.0 | 147.87 | 146.57 | 144.63 | 142.13 | 139.13 | 135.80 | 132.30 | 128.72 | 124.98 | 120.91 | 116.45 | 111.76 | 107.08 |
| G129.0 | 149.68 | 148.45 | 146.65 | 144.23 | 141.21 | 137.80 | 134.27 | 130.79 | 127.21 | 123.28 | 118.85 | 114.14 | 109.45 |
| G130.0 | 151.90 | 150.50 | 148.52 | 146.03 | 143.14 | 139.95 | 136.58 | 133.09 | 129.42 | 125.41 | 121.01 | 116.38 | 111.77 |
| G131.0 | 153.84 | 152.55 | 150.67 | 148.26 | 145.40 | 142.22 | 138.85 | 135.38 | 131.72 | 127.71 | 123.26 | 118.58 | 113.94 |
| G132.0 | 155.42 | 154.13 | 152.35 | 150.05 | 147.28 | 144.14 | 140.81 | 137.39 | 133.78 | 129.81 | 125.39 | 120.74 | 116.15 |
| G133.0 | 157.63 | 156.33 | 154.48 | 152.11 | 149.26 | 146.07 | 142.70 | 139.27 | 135.70 | 131.83 | 127.59 | 123.12 | 118.63 |
| G134.0 | 159.38 | 158.09 | 156.22 | 153.86 | 151.08 | 147.98 | 144.70 | 141.30 | 137.71 | 133.81 | 129.52 | 125.03 | 120.57 |
| G135.0 | 160.67 | 159.53 | 157.97 | 155.83 | 153.08 | 149.88 | 146.49 | 143.10 | 139.61 | 135.85 | 131.72 | 127.35 | 122.94 |
| G136.0 | 162.92 | 161.60 | 159.75 | 157.44 | 154.72 | 151.70 | 148.48 | 145.14 | 141.60 | 137.75 | 133.53 | 129.10 | 124.68 |
| G137.0 | 164.23 | 162.99 | 161.26 | 159.08 | 156.48 | 153.54 | 150.39 | 147.08 | 143.54 | 139.66 | 135.41 | 130.97 | 126.63 |
| G138.0 | 165.66 | 164.49 | 162.92 | 160.81 | 158.13 | 155.04 | 151.79 | 148.56 | 145.21 | 141.54 | 137.44 | 133.10 | 128.78 |
| G139.0 | 167.64 | 166.31 | 164.51 | 162.26 | 159.63 | 156.72 | 153.64 | 150.47 | 147.10 | 143.40 | 139.27 | 134.94 | 130.68 |
| G140.0 | 169.04 | 167.85 | 166.18 | 164.04 | 161.47 | 158.56 | 155.42 | 152.12 | 148.63 | 144.88 | 140.86 | 136.69 | 132.54 |
| G141.0 | 170.34 | 169.17 | 167.53 | 165.39 | 162.76 | 159.76 | 156.59 | 153.37 | 150.05 | 146.51 | 142.71 | 138.72 | 134.68 |
| G142.0 | 171.50 | 170.29 | 168.66 | 166.61 | 164.14 | 161.35 | 158.38 | 155.32 | 152.07 | 148.53 | 144.62 | 140.49 | 136.34 |
| G143.0 | 172.83 | 171.66 | 170.05 | 168.00 | 165.55 | 162.77 | 159.77 | 156.64 | 153.33 | 149.79 | 145.98 | 142.01 | 138.05 |
| G144.0 | 173.80 | 172.62 | 171.05 | 169.06 | 166.68 | 163.99 | 161.13 | 158.17 | 155.03 | 151.58 | 147.76 | 143.74 | 139.74 |
| G145.0 | 175.12 | 173.82 | 172.08 | 170.02 | 167.72 | 165.19 | 162.45 | 159.49 | 156.30 | 152.87 | 149.22 | 145.43 | 141.63 |

**Luminaria**
Código PX-0468-BLA
Nombre KAPA
**Ensayo**
Código PX-0468-BLA
Nombre KAPA

| Flujo Luminaria | 443.60 lm | Potencia luminaria | 10.30 W | Eficacia | 43.07 lm/W | Eficiencia | 100.00% |
|---|---|---|---|---|---|---|---|
| Flujo de Lámpara | 443.60 lm | Valor Máximo | 183.99 cd/klm | Posición | C=175.00 G=159.00 | CG | Asimétrico |

**Tabla de Intensidad Luminosa cd/klm** **Tabla 11/18**

| | C 260.00 | C 265.00 | C 270.00 | C 275.00 | C 280.00 | C 285.00 | C 290.00 | C 295.00 | C 300.00 | C 305.00 | C 310.00 | C 315.00 | C 320.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 73.0 | 45.60 | 40.66 | 35.85 | 31.39 | 27.21 | 23.18 | 19.20 | 15.43 | 12.05 | 9.23 | 6.90 | 4.92 | 3.23 |
| G 74.0 | 42.81 | 37.84 | 33.03 | 28.61 | 24.53 | 20.61 | 16.77 | 13.13 | 9.87 | 7.14 | 4.94 | 3.24 | 2.00 |
| G 75.0 | 40.04 | 35.11 | 30.35 | 26.00 | 21.99 | 18.17 | 14.43 | 10.89 | 7.74 | 5.13 | 3.12 | 1.75 | 1.00 |
| G 76.0 | 37.17 | 32.35 | 27.71 | 23.47 | 19.57 | 15.84 | 12.19 | 8.77 | 5.79 | 3.43 | 1.74 | 0.74 | 0.74 |
| G 77.0 | 34.29 | 29.57 | 25.02 | 20.88 | 17.06 | 13.42 | 9.89 | 6.67 | 4.03 | 2.18 | 1.05 | 0.50 | 0.39 |
| G 78.0 | 31.50 | 26.87 | 22.44 | 18.43 | 14.74 | 11.19 | 7.71 | 4.60 | 2.27 | 0.98 | 0.51 | 0.47 | 0.56 |
| G 79.0 | 28.76 | 24.23 | 19.89 | 15.97 | 12.40 | 9.06 | 5.90 | 3.19 | 1.29 | 1.03 | 0.76 | 0.49 | 0.66 |
| G 80.0 | 26.07 | 21.65 | 17.41 | 13.56 | 10.08 | 6.92 | 4.07 | 1.77 | 0.31 | 0.38 | 0.44 | 0.51 | 0.58 |
| G 81.0 | 23.46 | 19.17 | 15.02 | 11.19 | 7.80 | 4.94 | 2.70 | 1.13 | 0.25 | 0.34 | 0.43 | 0.52 | 0.56 |
| G 82.0 | 20.95 | 16.79 | 12.72 | 8.94 | 5.66 | 3.12 | 1.47 | 0.58 | 0.22 | 0.31 | 0.39 | 0.48 | 0.49 |
| G 83.0 | 18.39 | 14.35 | 10.40 | 6.72 | 3.63 | 1.43 | 0.34 | 0.06 | 0.15 | 0.27 | 0.36 | 0.41 | 0.44 |
| G 84.0 | 15.84 | 11.92 | 8.17 | 4.78 | 2.04 | 0.27 | 0.22 | 0.17 | 0.12 | 0.34 | 0.39 | 0.39 | 0.41 |
| G 85.0 | 13.37 | 9.55 | 6.10 | 3.31 | 1.29 | 0.09 | 0.09 | 0.09 | 0.10 | 0.27 | 0.33 | 0.37 | 0.44 |
| G 86.0 | 10.94 | 7.26 | 4.17 | 2.03 | 0.74 | 0.09 | 0.10 | 0.10 | 0.11 | 0.24 | 0.33 | 0.42 | 0.53 |
| G 87.0 | 8.76 | 5.10 | 2.25 | 0.71 | 0.16 | 0.10 | 0.09 | 0.09 | 0.12 | 0.22 | 0.36 | 0.51 | 0.66 |
| G 88.0 | 6.53 | 3.49 | 1.26 | 0.88 | 0.49 | 0.11 | 0.16 | 0.13 | 0.14 | 0.24 | 0.41 | 0.61 | 0.78 |
| G 89.0 | 4.31 | 1.88 | 0.27 | 0.22 | 0.17 | 0.12 | 0.23 | 0.19 | 0.16 | 0.27 | 0.47 | 0.70 | 0.91 |
| G 90.0 | 7.90 | 3.64 | 0.92 | 0.24 | 0.25 | 0.50 | 0.63 | 0.57 | 0.63 | 1.02 | 1.59 | 2.07 | 2.30 |
| G 91.0 | 6.90 | 4.02 | 1.96 | 0.85 | 0.44 | 0.34 | 0.28 | 0.27 | 0.37 | 0.64 | 0.94 | 1.11 | 1.07 |
| G 92.0 | 8.41 | 5.49 | 3.28 | 1.76 | 0.83 | 0.33 | 0.14 | 0.17 | 0.36 | 0.61 | 0.83 | 0.91 | 0.81 |
| G 93.0 | 11.03 | 7.79 | 5.06 | 2.87 | 1.28 | 0.31 | 0.00 | 0.05 | 0.29 | 0.37 | 0.45 | 0.53 | 0.49 |
| G 94.0 | 13.73 | 10.24 | 7.01 | 4.12 | 1.80 | 0.31 | 0.00 | 0.00 | 0.22 | 0.28 | 0.33 | 0.38 | 0.35 |
| G 95.0 | 16.02 | 12.42 | 9.00 | 5.82 | 3.13 | 1.23 | 0.31 | 0.09 | 0.18 | 0.26 | 0.27 | 0.23 | 0.24 |
| G 96.0 | 18.33 | 14.66 | 11.07 | 7.58 | 4.49 | 2.16 | 0.84 | 0.29 | 0.17 | 0.18 | 0.21 | 0.22 | 0.22 |
| G 97.0 | 20.83 | 17.11 | 13.35 | 9.50 | 5.92 | 3.09 | 1.34 | 0.47 | 0.16 | 0.10 | 0.15 | 0.20 | 0.20 |
| G 98.0 | 23.27 | 19.40 | 15.57 | 11.71 | 8.06 | 4.95 | 2.60 | 1.03 | 0.16 | 0.00 | 0.01 | 0.19 | 0.19 |
| G 99.0 | 25.66 | 21.72 | 17.85 | 13.97 | 10.22 | 6.80 | 3.90 | 1.68 | 0.30 | 0.26 | 0.22 | 0.18 | 0.23 |
| G100.0 | 28.22 | 24.23 | 20.30 | 16.33 | 12.44 | 8.79 | 5.52 | 2.88 | 1.08 | 0.78 | 0.47 | 0.17 | 0.15 |
| G101.0 | 30.89 | 26.81 | 22.77 | 18.68 | 14.67 | 10.90 | 7.55 | 4.74 | 2.63 | 1.28 | 0.53 | 0.15 | 0.00 |
| G102.0 | 33.48 | 29.38 | 25.31 | 21.15 | 17.04 | 13.15 | 9.66 | 6.65 | 4.18 | 2.30 | 0.98 | 0.17 | 0.00 |
| G103.0 | 36.21 | 32.03 | 27.85 | 23.57 | 19.33 | 15.36 | 11.83 | 8.71 | 5.97 | 3.57 | 1.64 | 0.34 | 0.00 |
| G104.0 | 39.06 | 34.79 | 30.51 | 26.13 | 21.81 | 17.75 | 14.11 | 10.88 | 7.97 | 5.34 | 3.11 | 1.44 | 0.43 |
| G105.0 | 41.69 | 37.38 | 33.06 | 28.66 | 24.31 | 20.21 | 16.52 | 13.17 | 10.07 | 7.15 | 4.58 | 2.54 | 1.20 |
| G106.0 | 44.53 | 40.18 | 35.81 | 31.32 | 26.85 | 22.63 | 18.81 | 15.36 | 12.18 | 9.23 | 6.56 | 4.28 | 2.47 |
| G107.0 | 47.35 | 42.98 | 38.57 | 34.00 | 29.44 | 25.13 | 21.23 | 17.70 | 14.42 | 11.32 | 8.47 | 6.01 | 4.05 |
| G108.0 | 49.94 | 45.58 | 41.19 | 36.63 | 32.06 | 27.72 | 23.79 | 20.20 | 16.81 | 13.55 | 10.54 | 7.97 | 5.96 |
| G109.0 | 52.87 | 48.42 | 43.94 | 39.31 | 34.69 | 30.30 | 26.31 | 22.64 | 19.14 | 15.75 | 12.62 | 9.97 | 7.96 |
| G110.0 | 55.69 | 51.20 | 46.65 | 41.95 | 37.25 | 32.81 | 28.78 | 25.08 | 21.55 | 18.09 | 14.88 | 12.14 | 10.06 |
| G111.0 | 58.38 | 53.91 | 49.39 | 44.70 | 40.01 | 35.55 | 31.50 | 27.75 | 24.14 | 20.58 | 17.26 | 14.45 | 12.33 |
| G112.0 | 61.22 | 56.75 | 52.21 | 47.47 | 42.71 | 38.19 | 34.07 | 30.26 | 26.59 | 22.95 | 19.57 | 16.71 | 14.58 |
| G113.0 | 63.97 | 59.51 | 54.95 | 50.18 | 45.37 | 40.80 | 36.66 | 32.84 | 29.15 | 25.50 | 22.08 | 19.17 | 16.95 |
| G114.0 | 66.61 | 62.10 | 57.55 | 52.84 | 48.12 | 43.60 | 39.43 | 35.54 | 31.78 | 28.10 | 24.68 | 21.75 | 19.48 |
| G115.0 | 69.39 | 64.85 | 60.27 | 55.55 | 50.83 | 46.31 | 42.12 | 38.19 | 34.41 | 30.71 | 27.26 | 24.31 | 22.00 |
| G116.0 | 72.09 | 67.59 | 63.04 | 58.30 | 53.54 | 48.96 | 44.72 | 40.77 | 37.00 | 33.34 | 29.94 | 26.99 | 24.60 |
| G117.0 | 74.84 | 70.30 | 65.72 | 61.00 | 56.28 | 51.72 | 47.47 | 43.48 | 39.69 | 36.07 | 32.71 | 29.77 | 27.33 |
| G118.0 | 77.39 | 72.89 | 68.36 | 63.68 | 58.97 | 54.42 | 50.17 | 46.18 | 42.39 | 38.76 | 35.39 | 32.42 | 29.93 |
| G119.0 | 80.09 | 75.68 | 71.18 | 66.45 | 61.64 | 57.02 | 52.76 | 48.83 | 45.09 | 41.47 | 38.07 | 35.06 | 32.53 |
| G120.0 | 82.69 | 78.20 | 73.67 | 69.00 | 64.31 | 59.79 | 55.58 | 51.64 | 47.90 | 44.32 | 40.96 | 37.95 | 35.34 |
| G121.0 | 85.21 | 80.76 | 76.29 | 71.65 | 66.98 | 62.48 | 58.30 | 54.39 | 50.66 | 47.03 | 43.63 | 40.57 | 37.96 |
| G122.0 | 87.94 | 83.38 | 78.80 | 74.14 | 69.52 | 65.10 | 61.00 | 57.15 | 53.42 | 49.76 | 46.28 | 43.18 | 40.56 |
| G123.0 | 90.35 | 85.84 | 81.33 | 76.71 | 72.12 | 67.72 | 63.65 | 59.84 | 56.16 | 52.55 | 49.12 | 46.01 | 43.34 |
| G124.0 | 92.81 | 88.24 | 83.71 | 79.16 | 74.69 | 70.41 | 66.41 | 62.62 | 58.93 | 55.25 | 51.75 | 48.60 | 45.93 |
| G125.0 | 95.40 | 90.96 | 86.48 | 81.87 | 77.28 | 72.90 | 68.90 | 65.16 | 61.54 | 57.92 | 54.45 | 51.30 | 48.62 |
| G126.0 | 97.74 | 93.35 | 88.95 | 84.41 | 79.88 | 75.54 | 71.56 | 67.84 | 64.24 | 60.65 | 57.20 | 54.07 | 51.36 |
| G127.0 | 100.20 | 95.82 | 91.42 | 86.91 | 82.42 | 78.14 | 74.18 | 70.47 | 66.84 | 63.21 | 59.73 | 56.59 | 53.96 |
| G128.0 | 102.59 | 98.22 | 93.83 | 89.34 | 84.87 | 80.61 | 76.69 | 73.01 | 69.43 | 65.86 | 62.43 | 59.33 | 56.68 |
| G129.0 | 105.01 | 100.72 | 96.37 | 91.87 | 87.36 | 83.09 | 79.20 | 75.60 | 72.09 | 68.55 | 65.13 | 62.03 | 59.38 |
| G130.0 | 107.34 | 103.01 | 98.66 | 94.21 | 89.78 | 85.56 | 81.69 | 78.07 | 74.55 | 71.03 | 67.66 | 64.61 | 62.01 |
| G131.0 | 109.53 | 105.26 | 100.98 | 96.57 | 92.18 | 88.01 | 84.18 | 80.60 | 77.11 | 73.61 | 70.24 | 67.20 | 64.62 |
| G132.0 | 111.82 | 107.65 | 103.43 | 99.06 | 94.67 | 90.47 | 86.63 | 83.05 | 79.60 | 76.18 | 72.90 | 69.90 | 67.31 |
| G133.0 | 114.27 | 110.00 | 105.72 | 101.36 | 97.06 | 92.97 | 89.21 | 85.67 | 82.22 | 78.76 | 75.43 | 72.44 | 69.92 |
| G134.0 | 116.29 | 112.14 | 107.96 | 103.67 | 99.40 | 95.32 | 91.56 | 88.04 | 84.62 | 81.20 | 77.93 | 74.98 | 72.48 |
| G135.0 | 118.62 | 114.38 | 110.16 | 105.93 | 101.76 | 97.76 | 94.03 | 90.50 | 87.08 | 83.71 | 80.51 | 77.62 | 75.12 |
| G136.0 | 120.44 | 116.33 | 112.24 | 108.13 | 104.06 | 100.16 | 96.50 | 93.02 | 89.63 | 86.26 | 83.04 | 80.15 | 77.70 |
| G137.0 | 122.56 | 118.64 | 114.67 | 110.52 | 106.34 | 102.36 | 98.72 | 95.34 | 92.05 | 88.74 | 85.54 | 82.66 | 80.23 |
| G138.0 | 124.68 | 120.71 | 116.73 | 112.62 | 108.52 | 104.61 | 101.01 | 97.63 | 94.35 | 91.07 | 87.93 | 85.11 | 82.74 |
| G139.0 | 126.68 | 122.82 | 118.92 | 114.86 | 110.79 | 106.92 | 103.41 | 100.14 | 96.94 | 93.69 | 90.55 | 87.71 | 85.33 |
| G140.0 | 128.55 | 124.66 | 120.77 | 116.82 | 112.91 | 109.18 | 105.74 | 102.49 | 99.29 | 96.06 | 92.94 | 90.14 | 87.81 |
| G141.0 | 130.68 | 126.73 | 122.80 | 118.91 | 115.08 | 111.41 | 107.93 | 104.61 | 101.41 | 98.30 | 95.36 | 92.68 | 90.35 |
| G142.0 | 132.34 | 128.47 | 124.64 | 120.84 | 117.11 | 113.56 | 110.23 | 107.06 | 103.93 | 100.78 | 97.75 | 95.04 | 92.76 |
| G143.0 | 134.21 | 130.45 | 126.69 | 122.89 | 119.15 | 115.59 | 112.30 | 109.19 | 106.15 | 103.09 | 100.15 | 97.51 | 95.29 |
| G144.0 | 135.95 | 132.29 | 128.64 | 124.92 | 121.22 | 117.69 | 114.44 | 111.38 | 108.39 | 105.39 | 102.52 | 99.93 | 97.75 |
| G145.0 | 137.88 | 134.19 | 130.50 | 126.82 | 123.21 | 119.79 | 116.62 | 113.63 | 110.68 | 107.71 | 104.85 | 102.28 | 100.12 |

**Luminaria**
Código PX-0468-BLA
Nombre KAPA
**Ensayo**
Código PX-0468-BLA
Nombre KAPA

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Flujo Luminaria | 443.60 lm | Potencia luminaria | 10.30 W | Eficacia | 43.07 lm/W | Eficiencia | 100.00% |
| Flujo de Lámpara | 443.60 lm | Valor Máximo | 183.99 cd/klm | Posición | C=175.00 G=159.00 | CG | Asimétrico |

**Tabla de Intensidad Luminosa cd/klm** **Tabla 12/18**

| | C 325.00 | C 330.00 | C 335.00 | C 340.00 | C 345.00 | C 350.00 | C 355.00 |
|---|---|---|---|---|---|---|---|
| G 73.0 | 1.90 | 1.05 | 1.02 | 0.99 | 0.96 | 1.11 | 1.19 |
| G 74.0 | 1.19 | 0.77 | 0.67 | 0.78 | 0.96 | 1.09 | 1.17 |
| G 75.0 | 0.73 | 0.71 | 0.78 | 0.88 | 0.99 | 1.09 | 1.17 |
| G 76.0 | 0.74 | 0.74 | 0.90 | 0.96 | 1.01 | 1.08 | 1.17 |
| G 77.0 | 0.55 | 0.77 | 0.91 | 0.99 | 1.04 | 1.11 | 1.20 |
| G 78.0 | 0.68 | 0.80 | 0.88 | 0.94 | 1.00 | 1.07 | 1.15 |
| G 79.0 | 0.74 | 0.79 | 0.82 | 0.85 | 0.89 | 0.95 | 1.02 |
| G 80.0 | 0.65 | 0.73 | 0.74 | 0.76 | 0.77 | 0.82 | 0.88 |
| G 81.0 | 0.59 | 0.63 | 0.64 | 0.66 | 0.67 | 0.72 | 0.77 |
| G 82.0 | 0.50 | 0.51 | 0.53 | 0.60 | 0.67 | 0.74 | 0.79 |
| G 83.0 | 0.46 | 0.50 | 0.57 | 0.65 | 0.73 | 0.80 | 0.87 |
| G 84.0 | 0.47 | 0.55 | 0.63 | 0.72 | 0.80 | 0.88 | 0.95 |
| G 85.0 | 0.54 | 0.64 | 0.74 | 0.82 | 0.90 | 0.96 | 1.02 |
| G 86.0 | 0.66 | 0.78 | 0.87 | 0.95 | 1.02 | 1.06 | 1.10 |
| G 87.0 | 0.79 | 0.91 | 1.01 | 1.11 | 1.19 | 1.24 | 1.28 |
| G 88.0 | 0.93 | 1.07 | 1.19 | 1.29 | 1.38 | 1.44 | 1.49 |
| G 89.0 | 1.08 | 1.23 | 1.36 | 1.48 | 1.57 | 1.64 | 1.69 |
| G 90.0 | 2.38 | 2.52 | 2.85 | 3.27 | 3.62 | 3.79 | 3.81 |
| G 91.0 | 0.93 | 0.92 | 1.16 | 1.53 | 1.84 | 1.94 | 1.88 |
| G 92.0 | 0.66 | 0.66 | 0.94 | 1.35 | 1.68 | 1.79 | 1.70 |
| G 93.0 | 0.45 | 0.41 | 0.73 | 1.17 | 1.51 | 1.60 | 1.51 |
| G 94.0 | 0.31 | 0.28 | 0.59 | 0.99 | 1.31 | 1.40 | 1.31 |
| G 95.0 | 0.24 | 0.25 | 0.53 | 0.87 | 1.15 | 1.24 | 1.20 |
| G 96.0 | 0.22 | 0.23 | 0.48 | 0.80 | 1.06 | 1.16 | 1.12 |
| G 97.0 | 0.20 | 0.21 | 0.43 | 0.73 | 0.97 | 1.06 | 1.02 |
| G 98.0 | 0.19 | 0.19 | 0.40 | 0.69 | 0.93 | 1.01 | 0.96 |
| G 99.0 | 0.16 | 0.17 | 0.38 | 0.70 | 0.95 | 1.03 | 0.96 |
| G100.0 | 0.10 | 0.16 | 0.45 | 0.82 | 1.12 | 1.20 | 1.11 |
| G101.0 | 0.00 | 0.14 | 0.53 | 0.97 | 1.30 | 1.39 | 1.29 |
| G102.0 | 0.00 | 0.11 | 0.59 | 1.10 | 1.47 | 1.56 | 1.45 |
| G103.0 | 0.00 | 0.10 | 0.63 | 1.16 | 1.54 | 1.64 | 1.52 |
| G104.0 | 0.01 | 0.09 | 0.52 | 1.07 | 1.51 | 1.64 | 1.52 |
| G105.0 | 0.50 | 0.35 | 0.63 | 1.09 | 1.48 | 1.59 | 1.48 |
| G106.0 | 1.23 | 0.62 | 0.90 | 1.17 | 1.45 | 1.57 | 1.46 |
| G107.0 | 2.62 | 1.75 | 1.68 | 1.60 | 1.52 | 1.43 | 1.34 |
| G108.0 | 4.48 | 3.41 | 2.66 | 2.16 | 1.83 | 1.62 | 1.48 |
| G109.0 | 6.46 | 5.28 | 4.27 | 3.44 | 2.84 | 2.52 | 2.39 |
| G110.0 | 8.48 | 7.22 | 6.10 | 5.14 | 4.40 | 3.90 | 3.58 |
| G111.0 | 10.73 | 9.37 | 8.06 | 6.88 | 5.95 | 5.39 | 5.09 |
| G112.0 | 12.96 | 11.56 | 10.15 | 8.84 | 7.80 | 7.18 | 6.86 |
| G113.0 | 15.24 | 13.73 | 12.23 | 10.84 | 9.75 | 9.10 | 8.78 |
| G114.0 | 17.68 | 16.07 | 14.44 | 12.94 | 11.76 | 11.06 | 10.73 |
| G115.0 | 20.15 | 18.47 | 16.77 | 15.18 | 13.95 | 13.22 | 12.87 |
| G116.0 | 22.63 | 20.84 | 19.08 | 17.47 | 16.23 | 15.49 | 15.13 |
| G117.0 | 25.25 | 23.34 | 21.47 | 19.79 | 18.49 | 17.73 | 17.38 |
| G118.0 | 27.81 | 25.86 | 23.96 | 22.26 | 20.95 | 20.18 | 19.80 |
| G119.0 | 30.36 | 28.37 | 26.45 | 24.75 | 23.44 | 22.67 | 22.30 |
| G120.0 | 33.06 | 30.97 | 28.98 | 27.24 | 25.92 | 25.15 | 24.79 |
| G121.0 | 35.70 | 33.61 | 31.62 | 29.85 | 28.50 | 27.70 | 27.31 |
| G122.0 | 38.31 | 36.24 | 34.24 | 32.45 | 31.09 | 30.30 | 29.94 |
| G123.0 | 41.00 | 38.86 | 36.82 | 35.03 | 33.68 | 32.89 | 32.53 |
| G124.0 | 43.64 | 41.55 | 39.53 | 37.74 | 36.38 | 35.58 | 35.21 |
| G125.0 | 46.30 | 44.19 | 42.20 | 40.46 | 39.14 | 38.36 | 37.98 |
| G126.0 | 49.01 | 46.87 | 44.85 | 43.10 | 41.77 | 41.00 | 40.64 |
| G127.0 | 51.70 | 49.63 | 47.63 | 45.85 | 44.49 | 43.69 | 43.31 |
| G128.0 | 54.39 | 52.31 | 50.33 | 48.58 | 47.26 | 46.48 | 46.10 |
| G129.0 | 57.10 | 55.02 | 53.04 | 51.29 | 49.96 | 49.19 | 48.84 |
| G130.0 | 59.77 | 57.72 | 55.76 | 54.03 | 52.72 | 51.94 | 51.57 |
| G131.0 | 62.41 | 60.40 | 58.48 | 56.78 | 55.49 | 54.72 | 54.35 |
| G132.0 | 65.05 | 62.99 | 61.07 | 59.40 | 58.15 | 57.42 | 57.08 |
| G133.0 | 67.76 | 65.78 | 63.89 | 62.20 | 60.91 | 60.14 | 59.77 |
| G134.0 | 70.33 | 68.39 | 66.54 | 64.91 | 63.67 | 62.92 | 62.54 |
| G135.0 | 72.95 | 70.98 | 69.14 | 67.53 | 66.32 | 65.62 | 65.29 |
| G136.0 | 75.59 | 73.67 | 71.83 | 70.20 | 68.97 | 68.25 | 67.92 |
| G137.0 | 78.15 | 76.28 | 74.50 | 72.93 | 71.74 | 71.04 | 70.70 |
| G138.0 | 80.71 | 78.86 | 77.08 | 75.51 | 74.32 | 73.64 | 73.35 |
| G139.0 | 83.30 | 81.47 | 79.71 | 78.17 | 77.00 | 76.32 | 76.02 |
| G140.0 | 85.84 | 84.06 | 82.34 | 80.81 | 79.66 | 79.01 | 78.74 |
| G141.0 | 88.31 | 86.47 | 84.80 | 83.37 | 82.32 | 81.72 | 81.45 |
| G142.0 | 90.82 | 89.09 | 87.44 | 86.00 | 84.89 | 84.23 | 83.89 |
| G143.0 | 93.40 | 91.68 | 90.04 | 88.58 | 87.48 | 86.83 | 86.52 |
| G144.0 | 95.89 | 94.19 | 92.55 | 91.11 | 90.02 | 89.41 | 89.15 |
| G145.0 | 98.29 | 96.64 | 95.08 | 93.70 | 92.66 | 92.04 | 91.73 |

**Luminaria**
Código PX-0468-BLA
Nombre KAPA
**Ensayo**
Código PX-0468-BLA
Nombre KAPA

| | | | | | | |
|---|---|---|---|---|---|---|
| Flujo Luminaria | 443.60 lm | Potencia luminaria | 10.30 W | Eficacia | 43.07 lm/W | Eficiencia | 100.00% |
| Flujo de Lámpara | 443.60 lm | Valor Máximo | 183.99 cd/klm | Posición | C=175.00 G=159.00 | CG | Asimétrico |

**Tabla de Intensidad Luminosa cd/klm** **Tabla 13/18**

| | C 0.00 | C 5.00 | C 10.00 | C 15.00 | C 20.00 | C 25.00 | C 30.00 | C 35.00 | C 40.00 | C 45.00 | C 50.00 | C 55.00 | C 60.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G146.0 | 94.10 | 93.80 | 93.65 | 93.83 | 94.47 | 95.57 | 97.10 | 99.02 | 101.21 | 103.53 | 105.91 | 108.44 | 111.26 |
| G147.0 | 96.74 | 96.43 | 96.26 | 96.39 | 96.92 | 97.92 | 99.38 | 101.31 | 103.54 | 105.89 | 108.22 | 110.67 | 113.42 |
| G148.0 | 99.24 | 98.83 | 98.59 | 98.71 | 99.31 | 100.38 | 101.88 | 103.76 | 105.90 | 108.19 | 110.53 | 113.01 | 115.74 |
| G149.0 | 101.78 | 101.47 | 101.30 | 101.43 | 101.97 | 102.94 | 104.35 | 106.15 | 108.23 | 110.46 | 112.73 | 115.13 | 117.78 |
| G150.0 | 104.37 | 103.94 | 103.66 | 103.71 | 104.21 | 105.18 | 106.61 | 108.47 | 110.61 | 112.88 | 115.15 | 117.50 | 120.06 |
| G151.0 | 106.79 | 106.37 | 106.13 | 106.23 | 106.80 | 107.82 | 109.23 | 110.95 | 112.90 | 114.98 | 117.13 | 119.43 | 121.99 |
| G152.0 | 109.15 | 108.74 | 108.51 | 108.61 | 109.18 | 110.21 | 111.65 | 113.43 | 115.43 | 117.51 | 119.57 | 121.72 | 124.12 |
| G153.0 | 111.72 | 111.39 | 111.18 | 111.22 | 111.62 | 112.43 | 113.70 | 115.42 | 117.45 | 119.57 | 121.66 | 123.80 | 126.15 |
| G154.0 | 114.16 | 113.66 | 113.35 | 113.39 | 113.93 | 114.92 | 116.26 | 117.88 | 119.70 | 121.65 | 123.68 | 125.85 | 128.26 |
| G155.0 | 116.44 | 116.09 | 115.87 | 115.90 | 116.31 | 117.14 | 118.41 | 120.12 | 122.08 | 124.08 | 125.97 | 127.88 | 130.01 |
| G156.0 | 118.82 | 118.49 | 118.30 | 118.34 | 118.74 | 119.54 | 120.74 | 122.36 | 124.23 | 126.17 | 128.05 | 129.97 | 132.06 |
| G157.0 | 121.22 | 120.85 | 120.62 | 120.67 | 121.10 | 121.92 | 123.08 | 124.54 | 126.21 | 128.02 | 129.90 | 131.89 | 134.05 |
| G158.0 | 123.46 | 123.15 | 122.95 | 123.01 | 123.41 | 124.18 | 125.33 | 126.83 | 128.56 | 130.35 | 132.10 | 133.89 | 135.85 |
| G159.0 | 125.81 | 125.57 | 125.42 | 125.46 | 125.78 | 126.44 | 127.48 | 128.90 | 130.56 | 132.27 | 133.91 | 135.61 | 137.53 |
| G160.0 | 128.15 | 127.72 | 127.43 | 127.43 | 127.82 | 128.58 | 129.68 | 131.03 | 132.57 | 134.21 | 135.88 | 137.64 | 139.56 |
| G161.0 | 130.37 | 130.03 | 129.82 | 129.84 | 130.19 | 130.87 | 131.88 | 133.16 | 134.63 | 136.18 | 137.73 | 139.35 | 141.15 |
| G162.0 | 132.65 | 132.29 | 132.03 | 131.98 | 132.22 | 132.81 | 133.75 | 135.05 | 136.56 | 138.11 | 139.58 | 141.07 | 142.74 |
| G163.0 | 134.85 | 134.38 | 134.05 | 134.02 | 134.40 | 135.14 | 136.15 | 137.37 | 138.71 | 140.12 | 141.54 | 143.02 | 144.63 |
| G164.0 | 136.94 | 136.62 | 136.39 | 136.34 | 136.55 | 137.06 | 137.92 | 139.13 | 140.55 | 141.99 | 143.32 | 144.63 | 146.06 |
| G165.0 | 139.22 | 138.84 | 138.55 | 138.46 | 138.65 | 139.14 | 139.94 | 141.04 | 142.34 | 143.68 | 144.98 | 146.30 | 147.75 |
| G166.0 | 141.28 | 140.81 | 140.46 | 140.36 | 140.61 | 141.17 | 142.01 | 143.06 | 144.24 | 145.50 | 146.76 | 148.06 | 149.43 |
| G167.0 | 143.34 | 143.10 | 142.92 | 142.85 | 142.96 | 143.29 | 143.91 | 144.84 | 145.98 | 147.19 | 148.36 | 149.54 | 150.81 |
| G168.0 | 145.62 | 145.14 | 144.75 | 144.57 | 144.69 | 145.10 | 145.80 | 146.77 | 147.90 | 149.05 | 150.14 | 151.22 | 152.35 |
| G169.0 | 147.55 | 147.15 | 146.85 | 146.73 | 146.86 | 147.22 | 147.79 | 148.54 | 149.42 | 150.40 | 151.45 | 152.56 | 153.70 |
| G170.0 | 149.56 | 149.11 | 148.76 | 148.59 | 148.67 | 149.00 | 149.57 | 150.32 | 151.21 | 152.14 | 153.06 | 154.00 | 155.01 |
| G171.0 | 151.51 | 151.19 | 150.92 | 150.77 | 150.77 | 150.96 | 151.36 | 151.98 | 152.76 | 153.64 | 154.57 | 155.53 | 156.49 |
| G172.0 | 153.49 | 153.03 | 152.67 | 152.50 | 152.58 | 152.88 | 153.30 | 153.79 | 154.37 | 155.04 | 155.84 | 156.70 | 157.59 |
| G173.0 | 155.28 | 154.86 | 154.51 | 154.29 | 154.25 | 154.40 | 154.74 | 155.25 | 155.87 | 156.53 | 157.19 | 157.86 | 158.59 |
| G174.0 | 157.09 | 156.65 | 156.26 | 156.01 | 155.93 | 156.04 | 156.34 | 156.81 | 157.40 | 158.03 | 158.64 | 159.25 | 159.88 |
| G175.0 | 158.98 | 158.41 | 157.95 | 157.69 | 157.71 | 157.93 | 158.23 | 158.54 | 158.87 | 159.27 | 159.77 | 160.32 | 160.89 |
| G176.0 | 160.57 | 160.14 | 159.75 | 159.44 | 159.25 | 159.22 | 159.37 | 159.73 | 160.20 | 160.68 | 161.08 | 161.44 | 161.80 |
| G177.0 | 162.35 | 161.85 | 161.41 | 161.11 | 160.99 | 161.02 | 161.15 | 161.34 | 161.56 | 161.82 | 162.08 | 162.37 | 162.67 |
| G178.0 | 164.02 | 163.47 | 162.99 | 162.65 | 162.51 | 162.52 | 162.63 | 162.80 | 163.00 | 163.20 | 163.40 | 163.58 | 163.72 |
| G179.0 | 165.38 | 165.04 | 164.70 | 164.35 | 164.00 | 163.73 | 163.66 | 163.83 | 164.14 | 164.43 | 164.59 | 164.64 | 164.66 |
| G180.0 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 |

**Luminaria**
Código PX-0468-BLA
Nombre KAPA
**Ensayo**
Código PX-0468-BLA
Nombre KAPA

| | | | | | | |
|---|---|---|---|---|---|---|
| Flujo Luminaria | 443.60 lm | Potencia luminaria | 10.30 W | Eficacia | 43.07 lm/W | Eficiencia | 100.00% |
| Flujo de Lámpara | 443.60 lm | Valor Máximo | 183.99 cd/klm | Posición | C=175.00 G=159.00 | CG | Asimétrico |

**Tabla de Intensidad Luminosa cd/klm** **Tabla 14/18**

| | C 65.00 | C 70.00 | C 75.00 | C 80.00 | C 85.00 | C 90.00 | C 95.00 | C 100.00 | C 105.00 | C 110.00 | C 115.00 | C 120.00 | C 125.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G146.0 | 114.47 | 117.92 | 121.42 | 124.85 | 128.35 | 132.16 | 136.40 | 140.75 | 144.81 | 148.29 | 151.38 | 154.40 | 157.59 |
| G147.0 | 116.60 | 120.05 | 123.50 | 126.82 | 130.19 | 133.89 | 138.09 | 142.45 | 146.51 | 149.94 | 152.96 | 155.91 | 159.03 |
| G148.0 | 118.78 | 122.05 | 125.41 | 128.79 | 132.27 | 136.00 | 140.05 | 144.16 | 147.98 | 151.29 | 154.25 | 157.16 | 160.23 |
| G149.0 | 120.78 | 124.01 | 127.32 | 130.62 | 134.01 | 137.65 | 141.62 | 145.66 | 149.43 | 152.68 | 155.60 | 158.46 | 161.47 |
| G150.0 | 122.91 | 125.99 | 129.18 | 132.42 | 135.77 | 139.36 | 143.24 | 147.16 | 150.81 | 153.97 | 156.83 | 159.66 | 162.65 |
| G151.0 | 124.87 | 127.99 | 131.18 | 134.37 | 137.63 | 141.10 | 144.86 | 148.67 | 152.23 | 155.32 | 158.09 | 160.82 | 163.67 |
| G152.0 | 126.86 | 129.84 | 132.88 | 135.88 | 138.95 | 142.31 | 146.04 | 149.89 | 153.49 | 156.57 | 159.31 | 161.97 | 164.74 |
| G153.0 | 128.79 | 131.66 | 134.61 | 137.55 | 140.61 | 143.94 | 147.61 | 151.36 | 154.84 | 157.82 | 160.46 | 163.04 | 165.76 |
| G154.0 | 130.94 | 133.79 | 136.64 | 139.41 | 142.25 | 145.37 | 148.89 | 152.54 | 155.96 | 158.89 | 161.48 | 163.96 | 166.54 |
| G155.0 | 132.52 | 135.29 | 138.17 | 141.02 | 143.94 | 147.07 | 150.49 | 153.96 | 157.21 | 160.02 | 162.53 | 164.98 | 167.53 |
| G156.0 | 134.44 | 137.05 | 139.78 | 142.56 | 145.46 | 148.55 | 151.85 | 155.19 | 158.29 | 160.98 | 163.40 | 165.74 | 168.16 |
| G157.0 | 136.43 | 138.97 | 141.62 | 144.31 | 147.11 | 150.09 | 153.27 | 156.47 | 159.44 | 162.00 | 164.30 | 166.55 | 168.90 |
| G158.0 | 138.07 | 140.49 | 143.03 | 145.61 | 148.30 | 151.20 | 154.35 | 157.52 | 160.46 | 162.96 | 165.16 | 167.29 | 169.51 |
| G159.0 | 139.78 | 142.24 | 144.72 | 147.08 | 149.50 | 152.21 | 155.33 | 158.57 | 161.55 | 163.98 | 166.04 | 168.01 | 170.11 |
| G160.0 | 141.69 | 143.93 | 146.16 | 148.32 | 150.59 | 153.19 | 156.25 | 159.45 | 162.35 | 164.65 | 166.55 | 168.40 | 170.44 |
| G161.0 | 143.19 | 145.36 | 147.53 | 149.61 | 151.77 | 154.25 | 157.17 | 160.25 | 163.08 | 165.35 | 167.24 | 169.04 | 170.96 |
| G162.0 | 144.71 | 146.85 | 148.98 | 151.01 | 153.08 | 155.44 | 158.22 | 161.12 | 163.77 | 165.89 | 167.66 | 169.36 | 171.22 |
| G163.0 | 146.41 | 148.29 | 150.19 | 152.09 | 154.10 | 156.44 | 159.19 | 162.05 | 164.60 | 166.56 | 168.15 | 169.70 | 171.45 |
| G164.0 | 147.71 | 149.53 | 151.42 | 153.34 | 155.37 | 157.63 | 160.17 | 162.76 | 165.09 | 166.95 | 168.51 | 170.04 | 171.74 |
| G165.0 | 149.40 | 151.17 | 152.96 | 154.70 | 156.54 | 158.67 | 161.18 | 163.77 | 166.04 | 167.71 | 169.01 | 170.27 | 171.76 |
| G166.0 | 150.90 | 152.46 | 154.08 | 155.74 | 157.52 | 159.54 | 161.82 | 164.13 | 166.17 | 167.74 | 169.02 | 170.31 | 171.81 |
| G167.0 | 152.22 | 153.73 | 155.27 | 156.83 | 158.48 | 160.35 | 162.48 | 164.66 | 166.58 | 168.07 | 169.28 | 170.49 | 171.88 |
| G168.0 | 153.59 | 154.92 | 156.28 | 157.66 | 159.15 | 160.92 | 163.02 | 165.19 | 167.11 | 168.54 | 169.64 | 170.69 | 171.88 |
| G169.0 | 154.86 | 156.04 | 157.28 | 158.58 | 160.04 | 161.72 | 163.66 | 165.63 | 167.33 | 168.58 | 169.56 | 170.53 | 171.70 |
| G170.0 | 156.13 | 157.30 | 158.45 | 159.56 | 160.75 | 162.21 | 164.01 | 165.91 | 167.59 | 168.81 | 169.71 | 170.55 | 171.51 |
| G171.0 | 157.44 | 158.37 | 159.27 | 160.18 | 161.23 | 162.61 | 164.42 | 166.34 | 167.95 | 168.99 | 169.67 | 170.33 | 171.24 |
| G172.0 | 158.46 | 159.28 | 160.06 | 160.82 | 161.74 | 163.03 | 164.77 | 166.63 | 168.16 | 169.06 | 169.57 | 170.09 | 170.92 |
| G173.0 | 159.41 | 160.26 | 161.04 | 161.73 | 162.49 | 163.54 | 165.00 | 166.59 | 167.94 | 168.78 | 169.32 | 169.85 | 170.62 |
| G174.0 | 160.52 | 161.15 | 161.73 | 162.24 | 162.87 | 163.85 | 165.29 | 166.88 | 168.15 | 168.81 | 169.12 | 169.44 | 170.07 |
| G175.0 | 161.42 | 161.92 | 162.39 | 162.87 | 163.48 | 164.38 | 165.62 | 166.95 | 167.99 | 168.51 | 168.74 | 169.02 | 169.59 |
| G176.0 | 162.19 | 162.61 | 163.01 | 163.40 | 163.90 | 164.67 | 165.77 | 166.95 | 167.87 | 168.29 | 168.43 | 168.58 | 168.99 |
| G177.0 | 163.00 | 163.34 | 163.66 | 163.96 | 164.37 | 165.03 | 166.03 | 167.10 | 167.89 | 167.97 | 168.05 | 168.14 | 168.39 |
| G178.0 | 163.83 | 163.93 | 164.09 | 164.33 | 164.71 | 165.29 | 166.05 | 166.83 | 167.38 | 167.42 | 167.46 | 167.50 | 167.68 |
| G179.0 | 164.70 | 164.77 | 164.86 | 164.98 | 165.19 | 165.54 | 166.05 | 166.60 | 166.98 | 166.97 | 166.96 | 166.96 | 167.02 |
| G180.0 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 |

**Luminaria**
Código PX-0468-BLA
Nombre KAPA
**Ensayo**
Código PX-0468-BLA
Nombre KAPA

| Flujo Luminaria | 443.60 lm | Potencia luminaria | 10.30 W | Eficacia | 43.07 lm/W | Eficiencia | 100.00% |
|---|---|---|---|---|---|---|---|
| Flujo de Lámpara | 443.60 lm | Valor Máximo | 183.99 cd/klm | Posición | C=175.00 G=159.00 | CG | Asimétrico |

**Tabla de Intensidad Luminosa cd/klm** **Tabla 15/18**

| | C 130.00 | C 135.00 | C 140.00 | C 145.00 | C 150.00 | C 155.00 | C 160.00 | C 165.00 | C 170.00 | C 175.00 | C 180.00 | C 185.00 | C 190.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G146.0 | 160.82 | 163.91 | 166.69 | 169.19 | 171.46 | 173.52 | 175.26 | 176.54 | 177.26 | 177.52 | 177.46 | 177.19 | 176.69 |
| G147.0 | 162.21 | 165.20 | 167.84 | 170.19 | 172.36 | 174.43 | 176.23 | 177.54 | 178.20 | 178.39 | 178.34 | 178.20 | 177.86 |
| G148.0 | 163.33 | 166.29 | 168.96 | 171.35 | 173.54 | 175.55 | 177.26 | 178.51 | 179.19 | 179.40 | 179.28 | 178.95 | 178.40 |
| G149.0 | 164.51 | 167.40 | 169.98 | 172.30 | 174.44 | 176.41 | 178.09 | 179.30 | 179.92 | 180.08 | 179.96 | 179.72 | 179.29 |
| G150.0 | 165.67 | 168.50 | 170.96 | 173.14 | 175.18 | 177.14 | 178.88 | 180.18 | 180.88 | 181.07 | 180.91 | 180.50 | 179.88 |
| G151.0 | 166.56 | 169.30 | 171.77 | 174.00 | 176.04 | 177.93 | 179.54 | 180.72 | 181.34 | 181.53 | 181.44 | 181.18 | 180.72 |
| G152.0 | 167.54 | 170.23 | 172.68 | 174.90 | 176.93 | 178.76 | 180.30 | 181.40 | 181.96 | 182.10 | 181.95 | 181.65 | 181.16 |
| G153.0 | 168.52 | 171.10 | 173.38 | 175.40 | 177.27 | 179.05 | 180.60 | 181.77 | 182.41 | 182.62 | 182.52 | 182.22 | 181.70 |
| G154.0 | 169.14 | 171.64 | 173.95 | 176.07 | 178.00 | 179.77 | 181.25 | 182.32 | 182.88 | 183.03 | 182.90 | 182.59 | 182.09 |
| G155.0 | 170.10 | 172.55 | 174.78 | 176.78 | 178.57 | 180.17 | 181.52 | 182.52 | 183.13 | 183.37 | 183.30 | 182.97 | 182.39 |
| G156.0 | 170.60 | 172.93 | 175.07 | 177.02 | 178.83 | 180.50 | 181.92 | 182.92 | 183.40 | 183.48 | 183.29 | 182.96 | 182.47 |
| G157.0 | 171.27 | 173.54 | 175.62 | 177.50 | 179.22 | 180.80 | 182.12 | 183.05 | 183.52 | 183.61 | 183.47 | 183.22 | 182.79 |
| G158.0 | 171.77 | 173.94 | 175.95 | 177.78 | 179.44 | 180.93 | 182.18 | 183.10 | 183.64 | 183.82 | 183.69 | 183.32 | 182.73 |
| G159.0 | 172.25 | 174.29 | 176.12 | 177.77 | 179.35 | 180.89 | 182.27 | 183.30 | 183.85 | 183.99 | 183.80 | 183.37 | 182.76 |
| G160.0 | 172.59 | 174.65 | 176.49 | 178.13 | 179.62 | 181.00 | 182.19 | 183.08 | 183.59 | 183.74 | 183.61 | 183.25 | 182.68 |
| G161.0 | 172.95 | 174.87 | 176.65 | 178.26 | 179.74 | 181.09 | 182.23 | 183.06 | 183.53 | 183.65 | 183.48 | 183.09 | 182.50 |
| G162.0 | 173.15 | 175.01 | 176.67 | 178.16 | 179.53 | 180.80 | 181.89 | 182.70 | 183.14 | 183.25 | 183.11 | 182.78 | 182.28 |
| G163.0 | 173.33 | 175.16 | 176.81 | 178.29 | 179.62 | 180.82 | 181.83 | 182.56 | 182.97 | 183.09 | 182.95 | 182.61 | 182.08 |
| G164.0 | 173.52 | 175.26 | 176.82 | 178.20 | 179.43 | 180.51 | 181.42 | 182.10 | 182.52 | 182.68 | 182.59 | 182.27 | 181.75 |
| G165.0 | 173.42 | 175.07 | 176.60 | 177.97 | 179.19 | 180.26 | 181.14 | 181.81 | 182.23 | 182.38 | 182.27 | 181.89 | 181.29 |
| G166.0 | 173.45 | 175.06 | 176.51 | 177.78 | 178.88 | 179.80 | 180.54 | 181.11 | 181.49 | 181.67 | 181.60 | 181.28 | 180.75 |
| G167.0 | 173.39 | 174.88 | 176.24 | 177.44 | 178.49 | 179.37 | 180.09 | 180.61 | 180.93 | 181.04 | 180.94 | 180.65 | 180.18 |
| G168.0 | 173.20 | 174.53 | 175.80 | 176.95 | 177.95 | 178.76 | 179.41 | 179.89 | 180.21 | 180.34 | 180.23 | 179.86 | 179.30 |
| G169.0 | 173.01 | 174.29 | 175.44 | 176.44 | 177.33 | 178.11 | 178.75 | 179.21 | 179.46 | 179.50 | 179.37 | 179.07 | 178.63 |
| G170.0 | 172.56 | 173.63 | 174.65 | 175.60 | 176.49 | 177.31 | 178.00 | 178.53 | 178.84 | 178.93 | 178.80 | 178.46 | 177.96 |
| G171.0 | 172.31 | 173.39 | 174.35 | 175.18 | 175.92 | 176.58 | 177.15 | 177.58 | 177.84 | 177.89 | 177.71 | 177.28 | 176.71 |
| G172.0 | 171.96 | 172.99 | 173.87 | 174.58 | 175.18 | 175.69 | 176.13 | 176.52 | 176.84 | 177.01 | 176.94 | 176.58 | 176.02 |
| G173.0 | 171.53 | 172.43 | 173.18 | 173.81 | 174.37 | 174.88 | 175.34 | 175.70 | 175.94 | 176.00 | 175.86 | 175.49 | 174.99 |
| G174.0 | 170.91 | 171.72 | 172.36 | 172.87 | 173.32 | 173.78 | 174.23 | 174.60 | 174.84 | 174.91 | 174.74 | 174.32 | 173.76 |
| G175.0 | 170.34 | 171.05 | 171.57 | 171.95 | 172.29 | 172.68 | 173.09 | 173.44 | 173.68 | 173.77 | 173.67 | 173.36 | 172.91 |
| G176.0 | 169.57 | 170.17 | 170.65 | 171.03 | 171.35 | 171.65 | 171.94 | 172.22 | 172.48 | 172.62 | 172.54 | 172.17 | 171.63 |
| G177.0 | 168.83 | 169.31 | 169.73 | 170.07 | 170.36 | 170.60 | 170.82 | 171.02 | 171.20 | 171.27 | 171.18 | 170.86 | 170.41 |
| G178.0 | 168.02 | 168.40 | 168.75 | 169.03 | 169.24 | 169.38 | 169.49 | 169.60 | 169.73 | 169.81 | 169.74 | 169.46 | 169.03 |
| G179.0 | 167.18 | 167.38 | 167.55 | 167.72 | 167.91 | 168.13 | 168.37 | 168.57 | 168.71 | 168.71 | 168.53 | 168.14 | 167.64 |
| G180.0 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 |

**Luminaria**
Código PX-0468-BLA
Nombre KAPA
**Ensayo**
Código PX-0468-BLA
Nombre KAPA

| Flujo Luminaria | 443.60 lm | Potencia luminaria | 10.30 W | Eficacia | 43.07 lm/W | Eficiencia | 100.00% |
|---|---|---|---|---|---|---|---|
| Flujo de Lámpara | 443.60 lm | Valor Máximo | 183.99 cd/klm | Posición | C=175.00 G=159.00 | CG | Asimétrico |

**Tabla de Intensidad Luminosa cd/klm** **Tabla 16/18**

| | C 195.00 | C 200.00 | C 205.00 | C 210.00 | C 215.00 | C 220.00 | C 225.00 | C 230.00 | C 235.00 | C 240.00 | C 245.00 | C 250.00 | C 255.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G146.0 | 175.92 | 174.83 | 173.38 | 171.50 | 169.18 | 166.52 | 163.66 | 160.67 | 157.55 | 154.24 | 150.70 | 147.01 | 143.29 |
| G147.0 | 177.15 | 175.93 | 174.24 | 172.18 | 169.83 | 167.27 | 164.59 | 161.83 | 158.91 | 155.71 | 152.18 | 148.47 | 144.77 |
| G148.0 | 177.57 | 176.43 | 174.97 | 173.19 | 171.10 | 168.75 | 166.16 | 163.38 | 160.37 | 157.09 | 153.53 | 149.83 | 146.18 |
| G149.0 | 178.58 | 177.49 | 176.02 | 174.16 | 171.95 | 169.46 | 166.81 | 164.05 | 161.16 | 158.05 | 154.69 | 151.19 | 147.73 |
| G150.0 | 179.03 | 177.95 | 176.57 | 174.83 | 172.69 | 170.28 | 167.74 | 165.19 | 162.50 | 159.51 | 156.12 | 152.52 | 149.02 |
| G151.0 | 179.97 | 178.86 | 177.40 | 175.62 | 173.55 | 171.24 | 168.77 | 166.18 | 163.43 | 160.47 | 157.28 | 153.95 | 150.62 |
| G152.0 | 180.42 | 179.38 | 178.01 | 176.28 | 174.22 | 171.90 | 169.46 | 166.98 | 164.40 | 161.60 | 158.52 | 155.28 | 152.01 |
| G153.0 | 180.95 | 179.92 | 178.58 | 176.92 | 174.93 | 172.69 | 170.33 | 167.91 | 165.37 | 162.63 | 159.63 | 156.49 | 153.38 |
| G154.0 | 181.34 | 180.31 | 178.99 | 177.40 | 175.56 | 173.50 | 171.26 | 168.86 | 166.29 | 163.53 | 160.56 | 157.50 | 154.48 |
| G155.0 | 181.61 | 180.62 | 179.38 | 177.84 | 175.96 | 173.85 | 171.64 | 169.41 | 167.07 | 164.51 | 161.64 | 158.61 | 155.60 |
| G156.0 | 181.76 | 180.78 | 179.55 | 178.09 | 176.39 | 174.51 | 172.45 | 170.25 | 167.87 | 165.27 | 162.46 | 159.52 | 156.59 |
| G157.0 | 182.10 | 181.10 | 179.81 | 178.29 | 176.58 | 174.71 | 172.68 | 170.50 | 168.18 | 165.72 | 163.13 | 160.48 | 157.81 |
| G158.0 | 181.95 | 181.00 | 179.85 | 178.48 | 176.86 | 175.05 | 173.10 | 171.05 | 168.88 | 166.55 | 164.05 | 161.42 | 158.76 |
| G159.0 | 181.98 | 181.07 | 179.99 | 178.69 | 177.13 | 175.37 | 173.47 | 171.49 | 169.39 | 167.15 | 164.73 | 162.22 | 159.69 |
| G160.0 | 181.93 | 181.03 | 179.97 | 178.74 | 177.34 | 175.77 | 174.03 | 172.11 | 170.03 | 167.79 | 165.42 | 162.97 | 160.54 |
| G161.0 | 181.76 | 180.88 | 179.86 | 178.65 | 177.23 | 175.64 | 173.95 | 172.18 | 170.29 | 168.22 | 165.92 | 163.50 | 161.12 |
| G162.0 | 181.64 | 180.87 | 179.91 | 178.71 | 177.23 | 175.59 | 173.90 | 172.26 | 170.57 | 168.71 | 166.60 | 164.32 | 162.02 |
| G163.0 | 181.38 | 180.52 | 179.52 | 178.41 | 177.20 | 175.86 | 174.35 | 172.67 | 170.83 | 168.89 | 166.88 | 164.82 | 162.75 |
| G164.0 | 181.07 | 180.26 | 179.31 | 178.22 | 176.98 | 175.63 | 174.19 | 172.68 | 171.10 | 169.39 | 167.54 | 165.57 | 163.51 |
| G165.0 | 180.55 | 179.72 | 178.81 | 177.80 | 176.68 | 175.46 | 174.14 | 172.73 | 171.23 | 169.62 | 167.90 | 166.07 | 164.14 |
| G166.0 | 180.05 | 179.22 | 178.32 | 177.36 | 176.36 | 175.29 | 174.11 | 172.79 | 171.34 | 169.78 | 168.12 | 166.38 | 164.60 |
| G167.0 | 179.58 | 178.89 | 178.09 | 177.15 | 176.07 | 174.89 | 173.69 | 172.51 | 171.29 | 169.95 | 168.42 | 166.76 | 165.06 |
| G168.0 | 178.67 | 178.04 | 177.37 | 176.60 | 175.69 | 174.68 | 173.62 | 172.54 | 171.38 | 170.06 | 168.51 | 166.84 | 165.22 |
| G169.0 | 178.10 | 177.47 | 176.78 | 176.01 | 175.17 | 174.25 | 173.23 | 172.11 | 170.92 | 169.69 | 168.47 | 167.21 | 165.89 |
| G170.0 | 177.38 | 176.75 | 176.07 | 175.31 | 174.44 | 173.54 | 172.69 | 171.92 | 171.12 | 170.12 | 168.82 | 167.34 | 165.86 |
| G171.0 | 176.12 | 175.60 | 175.10 | 174.54 | 173.86 | 173.09 | 172.28 | 171.47 | 170.61 | 169.63 | 168.48 | 167.24 | 166.01 |
| G172.0 | 175.40 | 174.84 | 174.32 | 173.81 | 173.26 | 172.64 | 171.91 | 171.05 | 170.10 | 169.15 | 168.23 | 167.34 | 166.40 |
| G173.0 | 174.48 | 174.05 | 173.64 | 173.14 | 172.49 | 171.77 | 171.06 | 170.46 | 169.86 | 169.16 | 168.28 | 167.28 | 166.26 |
| G174.0 | 173.21 | 172.77 | 172.41 | 172.06 | 171.66 | 171.19 | 170.66 | 170.05 | 169.37 | 168.63 | 167.84 | 167.03 | 166.22 |
| G175.0 | 172.43 | 171.97 | 171.56 | 171.15 | 170.73 | 170.29 | 169.82 | 169.32 | 168.80 | 168.27 | 167.76 | 167.21 | 166.57 |
| G176.0 | 171.09 | 170.66 | 170.33 | 170.03 | 169.72 | 169.41 | 169.11 | 168.84 | 168.54 | 168.11 | 167.51 | 166.82 | 166.14 |
| G177.0 | 169.95 | 169.58 | 169.29 | 169.02 | 168.74 | 168.45 | 168.15 | 167.87 | 167.58 | 167.29 | 166.98 | 166.63 | 166.23 |
| G178.0 | 168.57 | 168.15 | 167.81 | 167.56 | 167.41 | 167.32 | 167.23 | 167.11 | 166.93 | 166.69 | 166.39 | 166.09 | 165.84 |
| G179.0 | 167.17 | 166.84 | 166.64 | 166.52 | 166.48 | 166.43 | 166.39 | 166.38 | 166.36 | 166.35 | 166.08 | 165.73 | 165.43 |
| G180.0 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 |

**Luminaria**
Código PX-0468-BLA
Nombre KAPA
**Ensayo**
Código PX-0468-BLA
Nombre KAPA

| | | | | | | |
|---|---|---|---|---|---|---|
| Flujo Luminaria | 443.60 lm | Potencia luminaria | 10.30 W | Eficacia | 43.07 lm/W | Eficiencia | 100.00% |
| Flujo de Lámpara | 443.60 lm | Valor Máximo | 183.99 cd/klm | Posición | C=175.00 G=159.00 | CG | Asimétrico |

**Tabla de Intensidad Luminosa cd/klm** **Tabla 17/18**

| | C 260.00 | C 265.00 | C 270.00 | C 275.00 | C 280.00 | C 285.00 | C 290.00 | C 295.00 | C 300.00 | C 305.00 | C 310.00 | C 315.00 | C 320.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G146.0 | 139.61 | 135.97 | 132.33 | 128.69 | 125.13 | 121.79 | 118.73 | 115.84 | 112.99 | 110.08 | 107.25 | 104.71 | 102.60 |
| G147.0 | 141.23 | 137.79 | 134.32 | 130.76 | 127.21 | 123.83 | 120.73 | 117.82 | 114.97 | 112.12 | 109.37 | 106.91 | 104.85 |
| G148.0 | 142.70 | 139.34 | 136.00 | 132.61 | 129.25 | 126.02 | 122.99 | 120.11 | 117.30 | 114.51 | 111.83 | 109.40 | 107.34 |
| G149.0 | 144.39 | 141.13 | 137.83 | 134.43 | 131.04 | 127.82 | 124.86 | 122.08 | 119.35 | 116.59 | 113.93 | 111.55 | 109.59 |
| G150.0 | 145.80 | 142.74 | 139.63 | 136.33 | 132.97 | 129.75 | 126.81 | 124.08 | 121.42 | 118.74 | 116.15 | 113.83 | 111.87 |
| G151.0 | 147.38 | 144.21 | 141.05 | 137.87 | 134.72 | 131.69 | 128.85 | 126.14 | 123.50 | 120.88 | 118.38 | 116.12 | 114.18 |
| G152.0 | 148.82 | 145.72 | 142.65 | 139.57 | 136.54 | 133.60 | 130.81 | 128.13 | 125.52 | 122.97 | 120.56 | 118.40 | 116.57 |
| G153.0 | 150.40 | 147.47 | 144.49 | 141.35 | 138.21 | 135.22 | 132.50 | 129.98 | 127.52 | 125.01 | 122.60 | 120.44 | 118.66 |
| G154.0 | 151.59 | 148.76 | 145.87 | 142.85 | 139.81 | 136.94 | 134.34 | 131.92 | 129.55 | 127.11 | 124.74 | 122.63 | 120.88 |
| G155.0 | 152.74 | 149.98 | 147.18 | 144.28 | 141.38 | 138.63 | 136.12 | 133.78 | 131.46 | 129.09 | 126.79 | 124.75 | 123.08 |
| G156.0 | 153.77 | 151.03 | 148.34 | 145.67 | 143.03 | 140.45 | 137.96 | 135.55 | 133.19 | 130.90 | 128.74 | 126.83 | 125.23 |
| G157.0 | 155.17 | 152.54 | 149.89 | 147.21 | 144.56 | 142.02 | 139.63 | 137.36 | 135.15 | 132.96 | 130.86 | 128.97 | 127.34 |
| G158.0 | 156.12 | 153.52 | 150.98 | 148.49 | 146.08 | 143.73 | 141.45 | 139.23 | 137.04 | 134.88 | 132.84 | 131.04 | 129.54 |
| G159.0 | 157.23 | 154.80 | 152.37 | 149.92 | 147.48 | 145.14 | 142.95 | 140.85 | 138.78 | 136.71 | 134.74 | 133.01 | 131.61 |
| G160.0 | 158.16 | 155.83 | 153.51 | 151.20 | 148.91 | 146.71 | 144.63 | 142.62 | 140.65 | 138.69 | 136.82 | 135.13 | 133.70 |
| G161.0 | 158.87 | 156.73 | 154.62 | 152.50 | 150.37 | 148.28 | 146.23 | 144.24 | 142.32 | 140.48 | 138.76 | 137.23 | 135.91 |
| G162.0 | 159.80 | 157.66 | 155.58 | 153.54 | 151.54 | 149.59 | 147.68 | 145.80 | 143.95 | 142.14 | 140.44 | 138.97 | 137.78 |
| G163.0 | 160.68 | 158.63 | 156.64 | 154.72 | 152.85 | 151.02 | 149.21 | 147.41 | 145.64 | 143.91 | 142.28 | 140.82 | 139.59 |
| G164.0 | 161.40 | 159.33 | 157.40 | 155.65 | 154.03 | 152.42 | 150.74 | 149.01 | 147.28 | 145.60 | 144.04 | 142.69 | 141.61 |
| G165.0 | 162.15 | 160.18 | 158.34 | 156.68 | 155.14 | 153.61 | 152.01 | 150.37 | 148.73 | 147.14 | 145.68 | 144.40 | 143.36 |
| G166.0 | 162.79 | 161.01 | 159.32 | 157.76 | 156.28 | 154.80 | 153.27 | 151.72 | 150.20 | 148.77 | 147.45 | 146.30 | 145.34 |
| G167.0 | 163.40 | 161.80 | 160.26 | 158.80 | 157.39 | 155.99 | 154.59 | 153.19 | 151.78 | 150.40 | 149.10 | 147.97 | 147.06 |
| G168.0 | 163.75 | 162.40 | 161.11 | 159.83 | 158.53 | 157.22 | 155.88 | 154.52 | 153.16 | 151.81 | 150.57 | 149.52 | 148.72 |
| G169.0 | 164.49 | 163.07 | 161.73 | 160.53 | 159.40 | 158.27 | 157.05 | 155.80 | 154.56 | 153.41 | 152.34 | 151.37 | 150.50 |
| G170.0 | 164.51 | 163.31 | 162.26 | 161.31 | 160.39 | 159.40 | 158.28 | 157.10 | 155.95 | 154.90 | 153.96 | 153.10 | 152.30 |
| G171.0 | 164.86 | 163.82 | 162.88 | 162.04 | 161.23 | 160.34 | 159.32 | 158.22 | 157.11 | 156.09 | 155.18 | 154.46 | 153.93 |
| G172.0 | 165.41 | 164.41 | 163.48 | 162.67 | 161.93 | 161.16 | 160.30 | 159.38 | 158.44 | 157.53 | 156.71 | 156.02 | 155.51 |
| G173.0 | 165.32 | 164.50 | 163.82 | 163.29 | 162.79 | 162.17 | 161.32 | 160.36 | 159.42 | 158.64 | 158.01 | 157.54 | 157.18 |
| G174.0 | 165.43 | 164.73 | 164.17 | 163.76 | 163.40 | 162.94 | 162.27 | 161.46 | 160.65 | 159.92 | 159.32 | 158.86 | 158.55 |
| G175.0 | 165.82 | 165.09 | 164.53 | 164.25 | 164.07 | 163.76 | 163.17 | 162.40 | 161.64 | 161.05 | 160.61 | 160.26 | 159.97 |
| G176.0 | 165.57 | 165.14 | 164.88 | 164.78 | 164.71 | 164.48 | 163.98 | 163.32 | 162.70 | 162.25 | 161.96 | 161.76 | 161.60 |
| G177.0 | 165.77 | 165.36 | 165.13 | 165.14 | 165.23 | 165.14 | 164.72 | 164.11 | 163.51 | 163.09 | 162.86 | 162.77 | 162.77 |
| G178.0 | 165.78 | 165.72 | 165.66 | 165.59 | 165.51 | 165.44 | 165.15 | 164.81 | 164.49 | 164.29 | 164.17 | 164.10 | 164.05 |
| G179.0 | 165.29 | 165.32 | 165.51 | 165.83 | 166.12 | 166.20 | 165.97 | 165.58 | 165.26 | 165.17 | 165.25 | 165.38 | 165.46 |
| G180.0 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 |

**Luminaria**
Código PX-0468-BLA
Nombre KAPA
**Ensayo**
Código PX-0468-BLA
Nombre KAPA

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Flujo Luminaria | 443.60 lm | Potencia luminaria | 10.30 W | Eficacia | 43.07 lm/W | Eficiencia | 100.00% |
| Flujo de Lámpara | 443.60 lm | Valor Máximo | 183.99 cd/klm | Posición | C=175.00 G=159.00 | CG | Asimétrico |

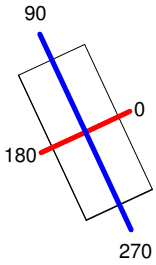
**Tabla de Intensidad Luminosa cd/klm** **Tabla 18/18**

| | C 325.00 | C 330.00 | C 335.00 | C 340.00 | C 345.00 | C 350.00 | C 355.00 |
|---|---|---|---|---|---|---|---|
| G146.0 | 100.82 | 99.20 | 97.63 | 96.22 | 95.14 | 94.51 | 94.23 |
| G147.0 | 103.10 | 101.53 | 100.05 | 98.73 | 97.74 | 97.15 | 96.87 |
| G148.0 | 105.56 | 103.97 | 102.49 | 101.22 | 100.26 | 99.68 | 99.39 |
| G149.0 | 107.94 | 106.43 | 104.95 | 103.63 | 102.63 | 102.07 | 101.84 |
| G150.0 | 110.21 | 108.73 | 107.35 | 106.14 | 105.24 | 104.71 | 104.47 |
| G151.0 | 112.51 | 111.04 | 109.71 | 108.57 | 107.72 | 107.21 | 106.94 |
| G152.0 | 114.98 | 113.52 | 112.11 | 110.85 | 109.91 | 109.39 | 109.19 |
| G153.0 | 117.19 | 115.87 | 114.62 | 113.52 | 112.66 | 112.14 | 111.87 |
| G154.0 | 119.42 | 118.11 | 116.86 | 115.74 | 114.90 | 114.43 | 114.22 |
| G155.0 | 121.69 | 120.43 | 119.20 | 118.10 | 117.25 | 116.76 | 116.53 |
| G156.0 | 123.87 | 122.63 | 121.44 | 120.39 | 119.59 | 119.12 | 118.91 |
| G157.0 | 125.95 | 124.72 | 123.62 | 122.69 | 121.99 | 121.56 | 121.34 |
| G158.0 | 128.27 | 127.10 | 125.96 | 124.93 | 124.14 | 123.70 | 123.52 |
| G159.0 | 130.44 | 129.36 | 128.27 | 127.27 | 126.50 | 126.06 | 125.87 |
| G160.0 | 132.47 | 131.38 | 130.35 | 129.47 | 128.80 | 128.41 | 128.23 |
| G161.0 | 134.75 | 133.64 | 132.55 | 131.57 | 130.84 | 130.68 | 130.52 |
| G162.0 | 136.79 | 135.85 | 134.86 | 133.94 | 133.23 | 132.84 | 132.68 |
| G163.0 | 138.53 | 137.61 | 136.76 | 136.03 | 135.48 | 135.14 | 134.96 |
| G164.0 | 140.71 | 139.86 | 138.98 | 138.16 | 137.52 | 137.16 | 137.00 |
| G165.0 | 142.49 | 141.72 | 141.01 | 140.37 | 139.87 | 139.55 | 139.35 |
| G166.0 | 144.51 | 143.75 | 143.01 | 142.36 | 141.85 | 141.54 | 141.37 |
| G167.0 | 146.30 | 145.61 | 144.92 | 144.29 | 143.81 | 143.53 | 143.39 |
| G168.0 | 148.10 | 147.54 | 146.94 | 146.39 | 145.95 | 145.84 | 145.73 |
| G169.0 | 149.74 | 149.13 | 148.66 | 148.32 | 148.06 | 147.86 | 147.70 |
| G170.0 | 151.58 | 150.96 | 150.47 | 150.10 | 149.84 | 149.69 | 149.61 |
| G171.0 | 153.52 | 153.12 | 152.66 | 152.21 | 151.84 | 151.63 | 151.54 |
| G172.0 | 155.11 | 154.74 | 154.34 | 153.97 | 153.69 | 153.62 | 153.56 |
| G173.0 | 156.87 | 156.53 | 156.12 | 155.70 | 155.38 | 155.35 | 155.31 |
| G174.0 | 158.32 | 158.09 | 157.79 | 157.48 | 157.23 | 157.18 | 157.14 |
| G175.0 | 159.71 | 159.51 | 159.36 | 159.25 | 159.17 | 159.10 | 159.04 |
| G176.0 | 161.43 | 161.23 | 160.99 | 160.75 | 160.58 | 160.57 | 160.57 |
| G177.0 | 162.80 | 162.80 | 162.73 | 162.61 | 162.49 | 162.41 | 162.37 |
| G178.0 | 164.01 | 163.97 | 163.93 | 163.90 | 163.90 | 163.92 | 163.97 |
| G179.0 | 165.48 | 165.49 | 165.49 | 165.48 | 165.47 | 165.45 | 165.42 |
| G180.0 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 | 165.44 |

**Luminaria**
Código PX-0468-BLA
Nombre KAPA
**Ensayo**
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Nombre KAPA

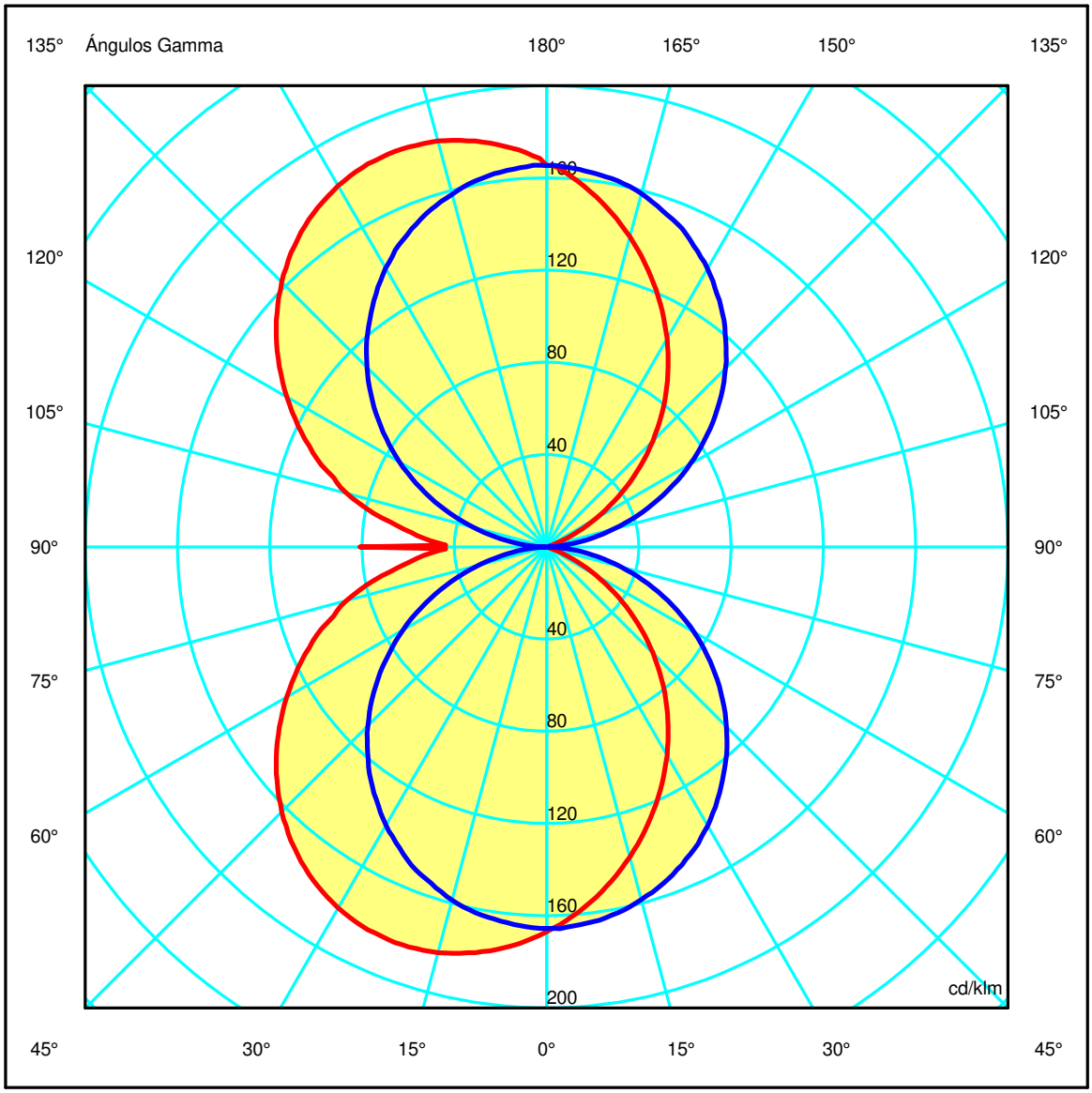
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Flujo Luminaria | 443.60 lm | Potencia luminaria | 10.30 W | Eficacia | 43.07 lm/W | Eficiencia | 100.00% |
| Flujo de Lámpara | 443.60 lm | Valor Máximo | 183.99 cd/klm | Posición | C=175.00 G=159.00 | CG | Asimétrico |

220mm x 100mm




Semiplanos C

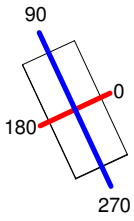


**Luminaria**
Código PX-0468-BLA
Nombre KAPA
**Ensayo**
Código PX-0468-BLA
Nombre KAPA

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Flujo Luminaria | 443.60 lm | Potencia luminaria | 10.30 W | Eficacia | 43.07 lm/W | Eficiencia | 100.00% |
| Flujo de Lámpara | 443.60 lm | Valor Máximo | 183.99 cd/klm | Posición | C=175.00 G=159.00 | CG | Asimétrico |

220mm x 100mm




Semiplanos C

180.0 — 0.0
270.0 — 90.0



**Luminaria**
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**Ensayo**
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Nombre KAPA

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Flujo Luminaria | 443.60 lm | Potencia luminaria | 10.30 W | Eficacia | 43.07 lm/W | Eficiencia | 100.00% |
| Flujo de Lámpara | 443.60 lm | Valor Máximo | 183.99 cd/klm | Posición | C=175.00 G=159.00 | CG | Asimétrico |

**UGR**
S = 0.250

| Reflectancies | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ceiling/Cavity | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| Walls | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| WorkingPlane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| | | | | | | | | | | |
| RoomDimensions | Viewed Crosswise | | | | | Viewed Endwise | | | | |
| x=2H y=2H | 13.8 | 14.6 | 14.7 | 15.5 | 16.6 | 10.5 | 11.3 | 11.4 | 12.2 | 13.3 |
| x=2H y=3H | 16.2 | 16.9 | 17.1 | 17.9 | 19.0 | 12.0 | 12.7 | 12.9 | 13.6 | 14.8 |
| x=2H y=4H | 17.4 | 18.1 | 18.4 | 19.1 | 20.2 | 12.6 | 13.2 | 13.5 | 14.2 | 15.4 |
| x=2H y=6H | 18.7 | 19.3 | 19.6 | 20.2 | 21.4 | 12.9 | 13.6 | 13.9 | 14.5 | 15.7 |
| x=2H y=8H | 19.3 | 19.9 | 20.2 | 20.8 | 22.1 | 13.0 | 13.6 | 14.0 | 14.6 | 15.8 |
| x=2H y=12H | 20.0 | 20.5 | 20.9 | 21.5 | 22.7 | 13.1 | 13.6 | 14.0 | 14.6 | 15.8 |
| x=4H y=2H | 14.4 | 15.1 | 15.3 | 16.0 | 17.2 | 11.4 | 12.1 | 12.3 | 13.0 | 14.2 |
| x=4H y=3H | 17.0 | 17.6 | 18.0 | 18.6 | 19.8 | 13.1 | 13.7 | 14.0 | 14.6 | 15.8 |
| x=4H y=4H | 18.4 | 18.9 | 19.4 | 19.9 | 21.2 | 13.8 | 14.3 | 14.8 | 15.3 | 16.5 |
| x=4H y=6H | 19.9 | 20.3 | 20.9 | 21.3 | 22.6 | 14.3 | 14.7 | 15.3 | 15.7 | 17.0 |
| x=4H y=8H | 20.6 | 21.0 | 21.6 | 22.0 | 23.3 | 14.5 | 14.9 | 15.5 | 15.8 | 17.1 |
| x=4H y=12H | 21.4 | 21.7 | 22.4 | 22.7 | 24.0 | 14.5 | 14.9 | 15.5 | 15.9 | 17.2 |
| x=8H y=4H | 18.7 | 19.1 | 19.7 | 20.1 | 21.4 | 14.5 | 14.9 | 15.5 | 15.9 | 17.2 |
| x=8H y=6H | 20.4 | 20.8 | 21.4 | 21.8 | 23.1 | 15.3 | 15.6 | 16.3 | 16.6 | 17.9 |
| x=8H y=8H | 21.3 | 21.6 | 22.4 | 22.6 | 24.0 | 15.5 | 15.8 | 16.6 | 16.9 | 18.2 |
| x=8H y=12H | 22.3 | 22.6 | 23.4 | 23.6 | 25.0 | 15.7 | 16.0 | 16.8 | 17.0 | 18.4 |
| x=12H y=4H | 18.7 | 19.1 | 19.8 | 20.1 | 21.4 | 14.7 | 15.0 | 15.7 | 16.0 | 17.3 |
| x=12H y=6H | 20.5 | 20.8 | 21.5 | 21.8 | 23.2 | 15.6 | 15.9 | 16.6 | 16.9 | 18.2 |
| x=12H y=8H | 21.5 | 21.7 | 22.5 | 22.8 | 24.1 | 16.0 | 16.2 | 17.0 | 17.3 | 18.6 |

**Luminaria**
Código PX-0468-BLA
Nombre KAPA
**Ensayo**
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Nombre KAPA

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Flujo Luminaria | 443.60 lm | Potencia luminaria | 10.30 W | Eficacia | 43.07 lm/W | Eficiencia | 100.00% |
| Flujo de Lámpara | 443.60 lm | Valor Máximo | 183.99 cd/klm | Posición | C=175.00 G=159.00 | CG | Asimétrico |

Flujo Total=443.60 Flujo Luminaria=443.60

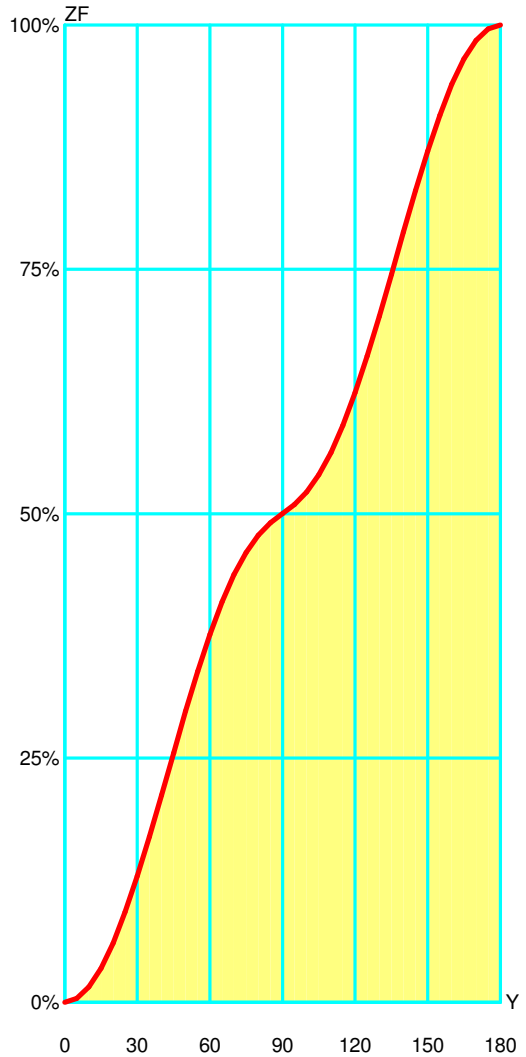
| RI | 0.60 | 0.80 | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 | 10.00 | 20.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DRR | 0.29 | 0.37 | 0.44 | 0.51 | 0.57 | 0.65 | 0.71 | 0.75 | 0.80 | 0.83 | 0.91 | 0.95 |
| RC | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

Flujo Zonal por 1000 Lúmenes

| Y° | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ZF(Y) | 16 | 61 | 129 | 212 | 298 | 376 | 438 | 478 | 500 | 522 | 562 | 624 | 702 | 788 | 871 | 939 | 984 | 1000 |

Códigos de Flujo C.I.E.
45 75 92 50 100

| | | | |
|---|---|---|---|
| C.I.E. | 5/5/5/5/5/6/6/6/6/6/6 | LOR | 100.00000 % |
| D DIN 5040 | C31 | ULOR | 49.99999 % |
| F UTE | 0.50 E + 0.50 T | DLOR | 50.00001 % |
| B NBN | BZ 5 | UFF | 49.99999 % |
| RN | 49.99999 % | DFF | 50.00001 % |
| BLF | 1.0 | FFR | 99.99995 % |




| Flujo Zonal | | | | |
|---|---|---|---|---|
| Gamma ° | Flujo | Suma lm | Flujo [%] | Suma [%] |
| 0° | 0.00 | 0.00 | 0.00% | 0.00 % |
| 5° | 3.96 | 3.96 | 0.40 % | 0.40 % |
| 10° | 11.74 | 15.70 | 1.17 % | 1.57 % |
| 15° | 19.13 | 34.84 | 1.91 % | 3.48 % |
| 20° | 25.88 | 60.72 | 2.59 % | 6.07 % |
| 25° | 31.76 | 92.48 | 3.18 % | 9.25 % |
| 30° | 36.59 | 129.08 | 3.66 % | 12.91 % |
| 35° | 40.21 | 169.28 | 4.02 % | 16.93 % |
| 40° | 42.48 | 211.77 | 4.25 % | 21.18 % |
| 45° | 43.36 | 255.13 | 4.34 % | 25.51 % |
| 50° | 42.81 | 297.93 | 4.28 % | 29.79 % |
| 55° | 40.86 | 338.79 | 4.09 % | 33.88 % |
| 60° | 37.60 | 376.39 | 3.76 % | 37.64 % |
| 65° | 33.24 | 409.63 | 3.32 % | 40.96 % |
| 70° | 28.06 | 437.69 | 2.81 % | 43.77 % |
| 75° | 22.60 | 460.30 | 2.26 % | 46.03 % |
| 80° | 17.58 | 477.88 | 1.76 % | 47.79 % |
| 85° | 12.74 | 490.61 | 1.27 % | 49.06 % |
| 90° | 9.39 | 500.00 | 0.94 % | 50.00 % |
| 95° | 9.39 | 509.39 | 0.94 % | 50.94 % |
| 100° | 12.74 | 522.12 | 1.27 % | 52.21 % |
| 105° | 17.58 | 539.70 | 1.76 % | 53.97 % |
| 110° | 22.60 | 562.31 | 2.26 % | 56.23 % |
| 115° | 28.06 | 590.37 | 2.81 % | 59.04 % |
| 120° | 33.24 | 623.61 | 3.32 % | 62.36 % |
| 125° | 37.60 | 661.21 | 3.76 % | 66.12 % |
| 130° | 40.86 | 702.07 | 4.09 % | 70.21 % |
| 135° | 42.81 | 744.87 | 4.28 % | 74.49 % |
| 140° | 43.36 | 788.23 | 4.34 % | 78.82 % |
| 145° | 42.48 | 830.72 | 4.25 % | 83.07 % |
| 150° | 40.21 | 870.92 | 4.02 % | 87.09 % |
| 155° | 36.59 | 907.52 | 3.66 % | 90.75 % |
| 160° | 31.76 | 939.28 | 3.18 % | 93.93 % |
| 165° | 25.88 | 965.16 | 2.59 % | 96.52 % |
| 170° | 19.13 | 984.30 | 1.91 % | 98.43 % |
| 175° | 11.74 | 996.04 | 1.17 % | 99.60 % |
| 180° | 3.96 | 1000.00 | 0.40 % | 100.00 % |

**Luminaria**
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|---|---|---|---|---|---|---|---|
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| Flujo de Lámpara | 443.60 lm | Valor Máximo | 183.99 cd/klm | Posición | C=175.00 G=159.00 | CG | Asimétrico |

Utilización CIE

Montaje Directo Normalización Normalizados Raz. de Susp. 1/3 CIE Estándar

Techo

| K | 8873 | 8773 | 8871 | 8771 | 7773 | 7771 | 7753 | 7553 | 7751 | 7551 | 7731 | 7331 | 7711 | 7111 | 5551 | 5531 | 5331 | 5511 | 5111 | 3331 | 3311 | 1111 | 0000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.60 | 552 | 496 | 517 | 466 | 472 | 445 | 416 | 353 | 399 | 340 | 368 | 278 | 346 | 236 | 318 | 297 | 263 | 282 | 225 | 249 | 237 | 205 | 187 |
| 0.80 | 610 | 560 | 555 | 512 | 532 | 489 | 470 | 411 | 441 | 388 | 407 | 324 | 381 | 279 | 363 | 339 | 306 | 320 | 266 | 290 | 276 | 243 | 222 |
| 1.00 | 650 | 604 | 577 | 540 | 575 | 517 | 511 | 456 | 470 | 422 | 434 | 358 | 407 | 312 | 395 | 370 | 339 | 350 | 298 | 322 | 307 | 273 | 250 |
| 1.25 | 685 | 645 | 592 | 561 | 613 | 539 | 550 | 500 | 494 | 452 | 459 | 390 | 431 | 345 | 424 | 399 | 371 | 378 | 330 | 353 | 337 | 304 | 278 |
| 1.50 | 709 | 674 | 600 | 574 | 642 | 552 | 581 | 534 | 510 | 473 | 477 | 415 | 449 | 371 | 446 | 421 | 395 | 400 | 356 | 377 | 361 | 328 | 300 |
| 2.00 | 742 | 713 | 607 | 587 | 680 | 568 | 624 | 584 | 531 | 501 | 501 | 450 | 475 | 409 | 475 | 452 | 430 | 432 | 393 | 412 | 396 | 366 | 333 |
| 2.50 | 762 | 738 | 610 | 594 | 705 | 575 | 654 | 619 | 544 | 519 | 517 | 473 | 493 | 436 | 494 | 473 | 454 | 454 | 420 | 435 | 421 | 392 | 357 |
| 3.00 | 777 | 756 | 610 | 597 | 722 | 580 | 677 | 645 | 552 | 531 | 528 | 490 | 506 | 456 | 507 | 488 | 471 | 471 | 440 | 453 | 440 | 412 | 375 |
| 4.00 | 796 | 779 | 610 | 600 | 746 | 585 | 707 | 682 | 563 | 546 | 542 | 512 | 524 | 483 | 524 | 508 | 494 | 493 | 468 | 477 | 465 | 441 | 400 |
| 5.00 | 807 | 794 | 610 | 602 | 760 | 588 | 727 | 706 | 569 | 556 | 552 | 527 | 536 | 501 | 535 | 521 | 509 | 508 | 487 | 493 | 482 | 460 | 417 |
| 10.00 | 831 | 824 | 606 | 602 | 791 | 592 | 771 | 759 | 581 | 574 | 571 | 558 | 561 | 542 | 557 | 548 | 542 | 540 | 529 | 528 | 521 | 503 | 455 |
| 20.00 | 844 | 840 | 603 | 601 | 807 | 593 | 796 | 790 | 587 | 583 | 581 | 574 | 576 | 566 | 568 | 563 | 560 | 559 | 552 | 547 | 543 | 528 | 476 |

Pared

| K | 8873 | 8773 | 8871 | 8771 | 7773 | 7771 | 7753 | 7553 | 7751 | 7551 | 7731 | 7331 | 7711 | 7111 | 5551 | 5531 | 5331 | 5511 | 5111 | 3331 | 3311 | 1111 | 0000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.60 | 385 | 355 | 340 | 315 | 339 | 301 | 267 | 238 | 243 | 218 | 204 | 169 | 175 | 137 | 204 | 174 | 161 | 151 | 132 | 153 | 134 | 121 | 107 |
| 0.80 | 446 | 416 | 383 | 359 | 393 | 341 | 320 | 289 | 285 | 258 | 244 | 206 | 214 | 171 | 239 | 207 | 193 | 183 | 161 | 181 | 161 | 144 | 126 |
| 1.00 | 490 | 460 | 411 | 388 | 432 | 367 | 361 | 329 | 314 | 288 | 274 | 235 | 243 | 198 | 263 | 232 | 217 | 208 | 185 | 201 | 182 | 161 | 139 |
| 1.25 | 530 | 502 | 434 | 414 | 469 | 390 | 400 | 368 | 341 | 316 | 302 | 264 | 272 | 226 | 286 | 256 | 241 | 233 | 209 | 221 | 202 | 177 | 152 |
| 1.50 | 559 | 534 | 450 | 432 | 496 | 406 | 431 | 400 | 361 | 337 | 324 | 287 | 295 | 250 | 303 | 275 | 261 | 252 | 228 | 236 | 218 | 190 | 162 |
| 2.00 | 597 | 575 | 467 | 452 | 532 | 423 | 473 | 445 | 385 | 364 | 353 | 319 | 325 | 283 | 324 | 299 | 286 | 278 | 255 | 255 | 239 | 206 | 174 |
| 2.50 | 622 | 603 | 477 | 464 | 555 | 434 | 503 | 477 | 401 | 383 | 372 | 341 | 347 | 308 | 338 | 316 | 304 | 297 | 275 | 269 | 254 | 217 | 182 |
| 3.00 | 639 | 622 | 483 | 472 | 572 | 441 | 525 | 500 | 412 | 396 | 386 | 358 | 363 | 326 | 347 | 328 | 316 | 310 | 290 | 278 | 265 | 225 | 187 |
| 4.00 | 666 | 652 | 494 | 486 | 598 | 454 | 558 | 537 | 430 | 416 | 408 | 384 | 388 | 356 | 364 | 348 | 338 | 332 | 315 | 295 | 283 | 239 | 198 |
| 5.00 | 685 | 673 | 503 | 496 | 616 | 464 | 582 | 564 | 443 | 432 | 424 | 404 | 406 | 379 | 377 | 362 | 354 | 349 | 333 | 307 | 297 | 250 | 207 |
| 10.00 | 731 | 725 | 527 | 523 | 661 | 489 | 641 | 630 | 477 | 471 | 466 | 453 | 454 | 437 | 410 | 401 | 396 | 392 | 382 | 341 | 334 | 281 | 232 |
| 20.00 | 761 | 757 | 544 | 542 | 691 | 507 | 679 | 673 | 500 | 497 | 494 | 487 | 487 | 477 | 433 | 427 | 424 | 422 | 416 | 365 | 361 | 303 | 251 |

P.Trab.

| K | 8873 | 8773 | 8871 | 8771 | 7773 | 7771 | 7753 | 7553 | 7751 | 7551 | 7731 | 7331 | 7711 | 7111 | 5551 | 5531 | 5331 | 5511 | 5111 | 3331 | 3311 | 1111 | 0000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.60 | 458 | 426 | 427 | 399 | 405 | 381 | 318 | 289 | 306 | 279 | 256 | 220 | 219 | 182 | 261 | 221 | 209 | 192 | 174 | 198 | 173 | 159 | 145 |
| 0.80 | 558 | 523 | 514 | 485 | 494 | 460 | 404 | 369 | 385 | 354 | 331 | 288 | 291 | 243 | 326 | 285 | 269 | 253 | 229 | 251 | 225 | 204 | 186 |
| 1.00 | 637 | 602 | 581 | 552 | 565 | 522 | 475 | 438 | 449 | 417 | 395 | 348 | 354 | 299 | 380 | 339 | 321 | 306 | 278 | 297 | 270 | 242 | 221 |
| 1.25 | 713 | 679 | 643 | 616 | 634 | 580 | 547 | 508 | 512 | 479 | 460 | 409 | 418 | 358 | 433 | 393 | 374 | 361 | 330 | 342 | 316 | 280 | 256 |
| 1.50 | 771 | 739 | 689 | 664 | 687 | 624 | 603 | 564 | 560 | 528 | 510 | 460 | 469 | 407 | 474 | 436 | 416 | 404 | 372 | 377 | 353 | 310 | 283 |
| 2.00 | 855 | 826 | 753 | 732 | 764 | 686 | 689 | 652 | 632 | 602 | 586 | 538 | 548 | 487 | 536 | 502 | 483 | 473 | 441 | 432 | 410 | 357 | 326 |
| 2.50 | 910 | 885 | 794 | 776 | 815 | 727 | 749 | 714 | 679 | 653 | 639 | 594 | 603 | 545 | 577 | 547 | 529 | 520 | 489 | 470 | 450 | 388 | 355 |
| 3.00 | 950 | 927 | 823 | 807 | 853 | 755 | 792 | 760 | 713 | 689 | 677 | 635 | 644 | 590 | 607 | 580 | 563 | 556 | 526 | 497 | 479 | 411 | 375 |
| 4.00 | 1000 | 983 | 859 | 847 | 901 | 792 | 851 | 823 | 757 | 738 | 727 | 691 | 699 | 651 | 646 | 623 | 609 | 603 | 577 | 533 | 517 | 441 | 401 |
| 5.00 | 1000 | 1000 | 881 | 871 | 932 | 814 | 888 | 864 | 785 | 768 | 759 | 728 | 734 | 692 | 671 | 651 | 639 | 633 | 610 | 556 | 542 | 460 | 417 |
| 10.00 | 1000 | 1000 | 928 | 922 | 999 | 861 | 973 | 959 | 845 | 835 | 829 | 811 | 814 | 789 | 725 | 714 | 706 | 702 | 688 | 607 | 599 | 502 | 454 |
| 20.00 | 1000 | 1000 | 952 | 949 | 1000 | 887 | 1000 | 1000 | 878 | 873 | 869 | 859 | 861 | 847 | 756 | 749 | 745 | 743 | 735 | 636 | 632 | 527 | 475 |

**LM53 SHR C0-C180: 0.965 SHR C90-C270: 1.238 SHR Superficial: 1.176**

**Luminaria**
Código PX-0468-BLA
Nombre KAPA
**Ensayo**
Código PX-0468-BLA
Nombre KAPA

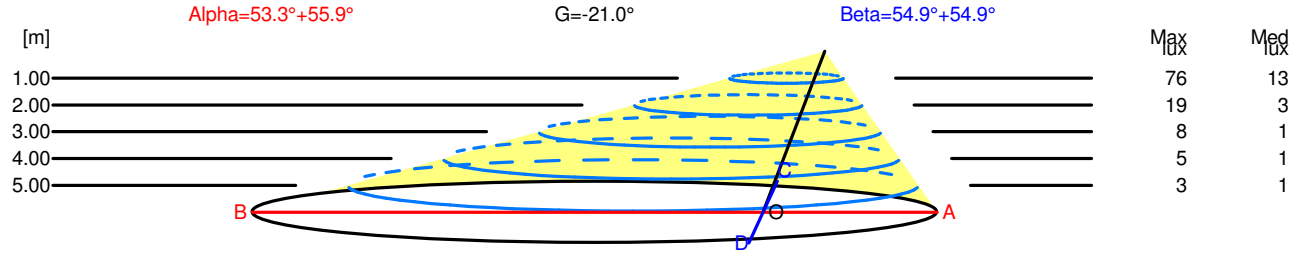
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Flujo Luminaria | 443.60 lm | Potencia luminaria | 10.30 W | Eficacia | 43.07 lm/W | Eficiencia | 100.00% |
| Flujo de Lámpara | 443.60 lm | Valor Máximo | 183.99 cd/klm | Posición | C=175.00 G=159.00 | CG | Asimétrico |

Apertura a 50.00 % de Max Intensidad

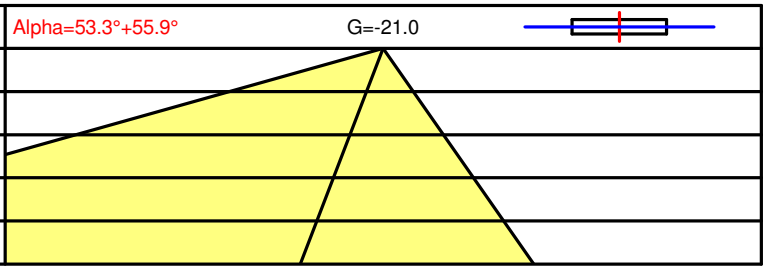
| H[m] | 1.00 | 2.00 | 3.00 | 4.00 | 5.00 | H[m] | 1.00 | 2.00 | 3.00 | 4.00 | 5.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OA | 1.08 | 2.16 | 3.24 | 4.32 | 5.40 | OC | 1.53 | 3.05 | 4.58 | 6.10 | 7.63 |
| OB | 3.17 | 6.34 | 9.52 | 12.69 | 15.86 | OD | 1.53 | 3.05 | 4.58 | 6.11 | 7.63 |

Intensidades Luminosas [ cd/klm]

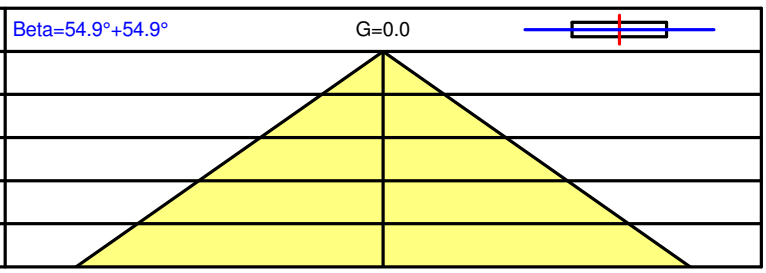
| | 0 | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 |
|---|---|---|---|---|---|---|---|---|---|---|
| OA | 74.05 | 70.52 | 61.76 | 51.65 | 40.63 | 28.90 | 16.77 | 5.64 | 0.56 | 0.48 |
| OB | 74.05 | 77.04 | 80.85 | 81.31 | 78.29 | 72.04 | 62.96 | 52.01 | 39.82 | 25.08 |
| OC | 73.39 | 72.99 | 70.24 | 65.29 | 57.89 | 48.87 | 38.36 | 26.74 | 14.67 | 3.99 |
| OD | 73.39 | 72.92 | 70.38 | 65.24 | 57.89 | 48.63 | 37.68 | 25.76 | 13.46 | 2.70 |




| H[m] | D[m] | Max lux | Med lux |
|---|---|---|---|
| 1.00 | 4.25 | 76 | 13 |
| 2.00 | 8.51 | 19 | 3 |
| 3.00 | 12.76 | 8 | 1 |
| 4.00 | 17.01 | 5 | 1 |
| 5.00 | 21.26 | 3 | 1 |




| H[m] | D[m] | Max lux | Med lux |
|---|---|---|---|
| 1.00 | 3.05 | 76 | 13 |
| 2.00 | 6.10 | 19 | 3 |
| 3.00 | 9.16 | 8 | 1 |
| 4.00 | 12.21 | 5 | 1 |
| 5.00 | 15.26 | 3 | 1 |

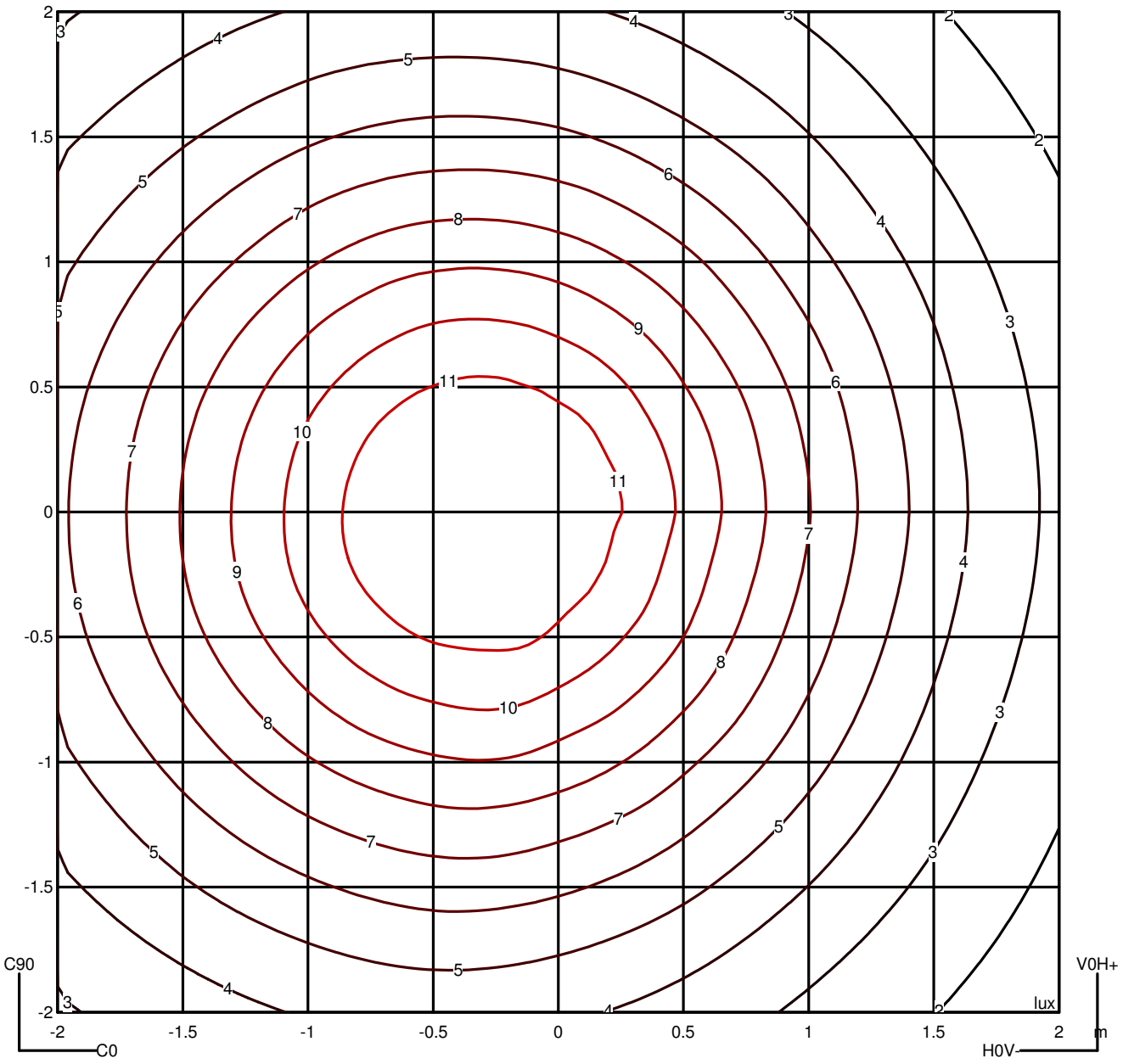


**Luminaria**
Código PX-0468-BLA
Nombre KAPA
**Ensayo**
Código PX-0468-BLA
Nombre KAPA

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Flujo Luminaria | 443.60 lm | Potencia luminaria | 10.30 W | Eficacia | 43.07 lm/W | Eficiencia | 100.00% |
| Flujo de Lámpara | 443.60 lm | Valor Máximo | 183.99 cd/klm | Posición | C=175.00 G=159.00 | CG | Asimétrico |

Isolux (Suelo)

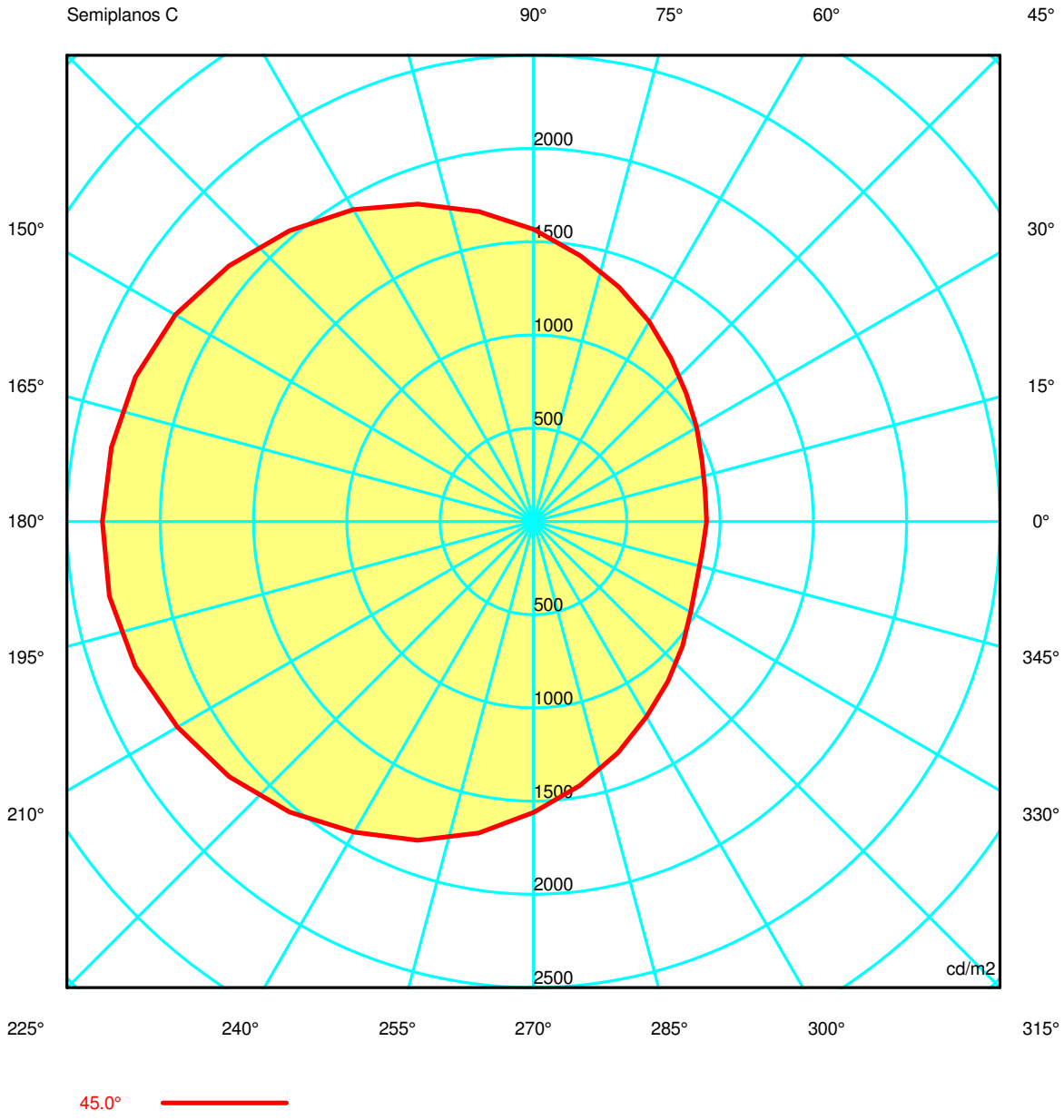
Posición Luminaria X=0.00m Y=0.00m Z=2.50m



**Luminaria**
Código PX-0468-BLA
Nombre KAPA
**Ensayo**
Código PX-0468-BLA
Nombre KAPA

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Flujo Luminaria | 443.60 lm | Potencia luminaria | 10.30 W | Eficacia | 43.07 lm/W | Eficiencia | 100.00% |
| Flujo de Lámpara | 443.60 lm | Valor Máximo | 183.99 cd/klm | Posición | C=175.00 G=159.00 | CG | Asimétrico |

Luminancia



**Luminaria**
Código PX-0468-BLA
Nombre KAPA
**Ensayo**
Código PX-0468-BLA
Nombre KAPA

| Flujo Luminaria | 443.60 lm | Potencia luminaria | 10.30 W | Eficacia | 43.07 lm/W | Eficiencia | 100.00% |
|---|---|---|---|---|---|---|---|
| Flujo de Lámpara | 443.60 lm | Valor Máximo | 183.99 cd/klm | Posición | C=175.00 G=159.00 | CG | Asimétrico |

**Luminance cd/m2** **Tabla 1/3**

| | C 0.00 | C 10.00 | C 20.00 | C 30.00 | C 40.00 | C 50.00 | C 60.00 | C 70.00 | C 80.00 | C 90.00 | C 100.00 | C 110.00 | C 120.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 0.0 | 1679.23 | 1679.47 | 1678.80 | 1677.00 | 1674.39 | 1670.90 | 1670.19 | 1675.46 | 1673.61 | 1664.13 | 1659.96 | 1661.15 | 1663.57 |
| G 5.0 | 1605.25 | 1606.48 | 1608.03 | 1610.64 | 1615.24 | 1621.74 | 1632.15 | 1647.55 | 1656.69 | 1661.35 | 1674.34 | 1688.36 | 1699.13 |
| G 10.0 | 1527.62 | 1528.95 | 1533.12 | 1541.92 | 1555.62 | 1572.61 | 1592.85 | 1616.68 | 1638.20 | 1657.31 | 1680.32 | 1709.25 | 1737.60 |
| G 15.0 | 1449.85 | 1453.22 | 1461.79 | 1475.89 | 1492.88 | 1517.07 | 1548.83 | 1583.01 | 1615.55 | 1648.87 | 1688.64 | 1729.41 | 1766.41 |
| G 20.0 | 1371.81 | 1374.59 | 1385.87 | 1406.31 | 1431.15 | 1464.55 | 1505.63 | 1548.14 | 1594.02 | 1643.28 | 1693.02 | 1744.56 | 1796.10 |
| G 25.0 | 1292.33 | 1295.90 | 1310.76 | 1336.64 | 1366.00 | 1407.24 | 1459.06 | 1510.82 | 1569.20 | 1633.55 | 1695.29 | 1760.41 | 1825.86 |
| G 30.0 | 1212.31 | 1216.26 | 1232.86 | 1262.96 | 1299.40 | 1349.14 | 1410.28 | 1472.93 | 1544.42 | 1621.78 | 1693.47 | 1771.58 | 1852.73 |
| G 35.0 | 1124.67 | 1130.17 | 1150.62 | 1186.67 | 1229.41 | 1287.50 | 1359.10 | 1432.09 | 1512.99 | 1602.54 | 1693.15 | 1785.90 | 1877.22 |
| G 40.0 | 1032.82 | 1037.52 | 1061.11 | 1103.74 | 1153.09 | 1220.36 | 1303.79 | 1388.51 | 1482.59 | 1585.83 | 1688.02 | 1794.83 | 1902.47 |
| G 45.0 | 926.80 | 933.50 | 960.66 | 1009.77 | 1068.66 | 1145.33 | 1238.70 | 1337.64 | 1447.54 | 1567.13 | 1687.46 | 1811.68 | 1932.54 |
| G 50.0 | 804.35 | 812.87 | 845.56 | 903.20 | 970.41 | 1058.78 | 1166.56 | 1278.36 | 1404.96 | 1543.98 | 1679.70 | 1821.28 | 1962.54 |
| G 55.0 | 662.88 | 672.71 | 709.56 | 774.96 | 852.61 | 954.90 | 1079.20 | 1208.25 | 1355.24 | 1516.71 | 1673.00 | 1836.37 | 1999.93 |
| G 60.0 | 495.43 | 505.99 | 548.00 | 622.97 | 711.01 | 824.02 | 963.69 | 1118.10 | 1293.76 | 1482.04 | 1663.62 | 1854.56 | 2045.51 |
| G 65.0 | 302.45 | 314.55 | 361.42 | 439.64 | 523.69 | 648.85 | 819.09 | 1002.46 | 1209.87 | 1434.54 | 1651.58 | 1878.18 | 2104.01 |
| G 70.0 | 98.34 | 114.63 | 151.24 | 212.27 | 295.77 | 437.58 | 633.87 | 846.52 | 1095.65 | 1372.07 | 1637.76 | 1914.53 | 2190.35 |
| G 75.0 | 48.63 | 61.78 | 42.37 | 13.77 | 46.67 | 177.96 | 391.36 | 641.99 | 944.83 | 1285.02 | 1620.34 | 1977.81 | 2340.01 |
| G 80.0 | 54.21 | 69.46 | 47.61 | 9.51 | 8.70 | 27.37 | 62.65 | 319.95 | 720.81 | 1175.64 | 1634.69 | 2133.66 | 2638.98 |
| G 85.0 | 124.05 | 143.62 | 100.93 | 28.58 | 27.46 | 31.42 | 20.77 | 35.89 | 361.19 | 1038.42 | 1848.40 | 2730.92 | 3621.14 |
| G 90.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**Luminaria**
Código PX-0468-BLA
Nombre KAPA
**Ensayo**
Código PX-0468-BLA
Nombre KAPA

| Flujo Luminaria | 443.60 lm | Potencia luminaria | 10.30 W | Eficacia | 43.07 lm/W | Eficiencia | 100.00% |
|---|---|---|---|---|---|---|---|
| Flujo de Lámpara | 443.60 lm | Valor Máximo | 183.99 cd/klm | Posición | C=175.00 G=159.00 | CG | Asimétrico |

**Luminance cd/m2** **Tabla 2/3**

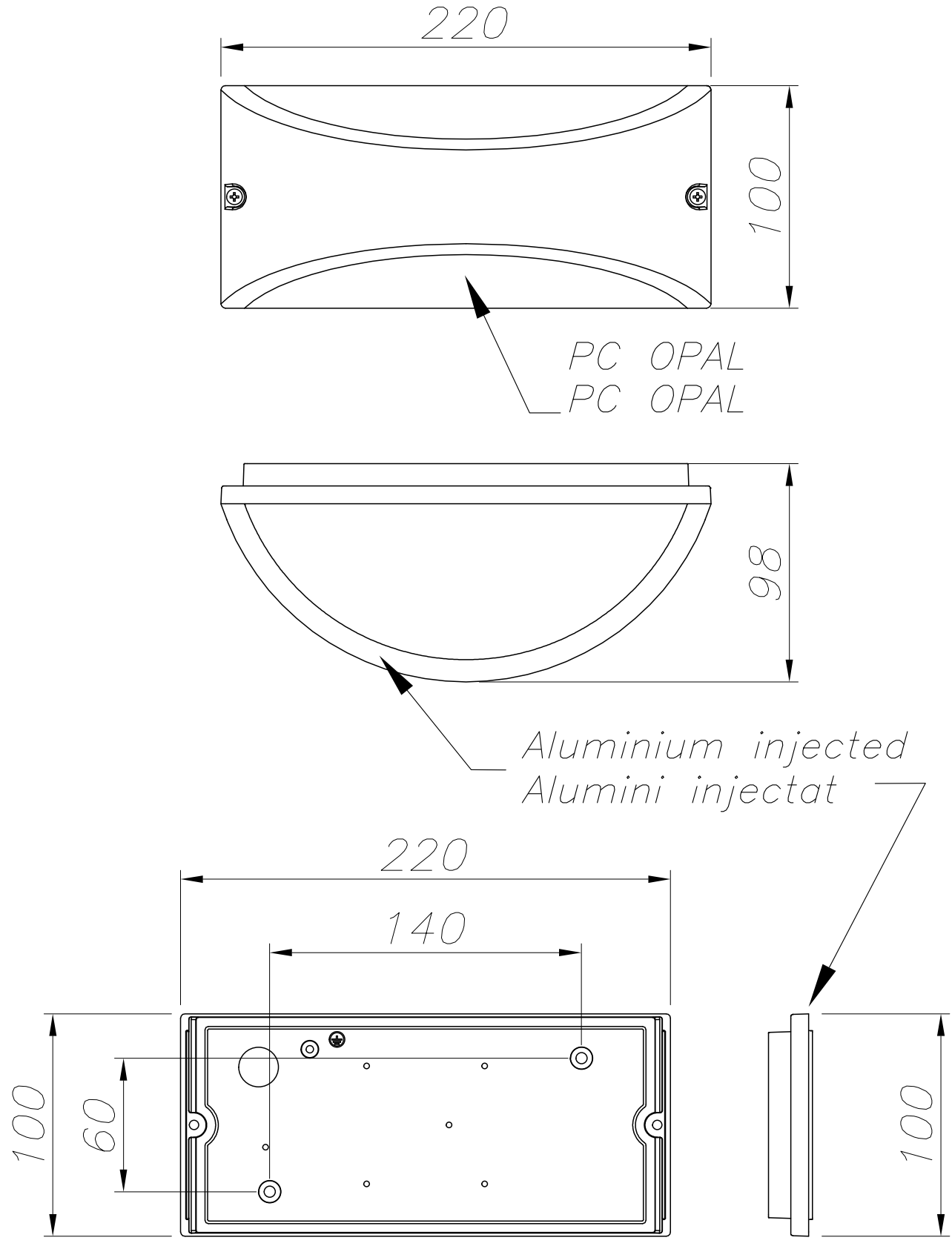
| | C 130.00 | C 140.00 | C 150.00 | C 160.00 | C 170.00 | C 180.00 | C 190.00 | C 200.00 | C 210.00 | C 220.00 | C 230.00 | C 240.00 | C 250.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 0.0 | 1663.42 | 1663.17 | 1663.05 | 1663.70 | 1670.33 | 1679.23 | 1679.27 | 1678.46 | 1677.00 | 1674.45 | 1670.87 | 1670.19 | 1675.46 |
| G 5.0 | 1709.67 | 1719.47 | 1728.13 | 1736.49 | 1745.95 | 1753.58 | 1753.71 | 1747.73 | 1739.70 | 1732.38 | 1719.94 | 1706.62 | 1701.55 |
| G 10.0 | 1756.01 | 1772.60 | 1790.62 | 1805.39 | 1817.73 | 1826.24 | 1826.71 | 1818.17 | 1802.69 | 1783.88 | 1762.57 | 1742.02 | 1724.22 |
| G 15.0 | 1798.81 | 1827.16 | 1851.56 | 1871.61 | 1887.92 | 1898.12 | 1897.67 | 1886.37 | 1866.08 | 1839.04 | 1805.92 | 1773.16 | 1746.55 |
| G 20.0 | 1842.38 | 1881.59 | 1913.33 | 1937.84 | 1955.52 | 1965.51 | 1965.19 | 1950.25 | 1922.77 | 1889.28 | 1847.47 | 1802.62 | 1762.50 |
| G 25.0 | 1880.23 | 1929.59 | 1973.79 | 2004.66 | 2024.37 | 2034.44 | 2032.55 | 2014.63 | 1981.93 | 1939.84 | 1887.91 | 1831.10 | 1776.02 |
| G 30.0 | 1918.71 | 1977.78 | 2030.65 | 2066.91 | 2089.29 | 2101.23 | 2100.97 | 2077.76 | 2034.70 | 1985.74 | 1924.32 | 1854.44 | 1788.38 |
| G 35.0 | 1958.47 | 2028.53 | 2087.79 | 2134.45 | 2160.11 | 2167.29 | 2165.22 | 2140.46 | 2091.51 | 2031.01 | 1957.50 | 1876.98 | 1799.35 |
| G 40.0 | 1997.49 | 2082.04 | 2153.98 | 2204.11 | 2228.85 | 2235.40 | 2232.89 | 2202.21 | 2144.40 | 2079.68 | 1996.76 | 1900.67 | 1810.13 |
| G 45.0 | 2035.67 | 2132.09 | 2216.83 | 2269.45 | 2297.27 | 2310.26 | 2308.43 | 2271.16 | 2203.25 | 2129.58 | 2034.56 | 1923.09 | 1818.63 |
| G 50.0 | 2082.79 | 2190.07 | 2285.26 | 2355.20 | 2389.42 | 2396.00 | 2390.37 | 2348.27 | 2270.94 | 2184.61 | 2074.35 | 1946.59 | 1826.35 |
| G 55.0 | 2138.71 | 2264.04 | 2375.70 | 2454.17 | 2487.64 | 2489.17 | 2481.42 | 2436.14 | 2351.37 | 2253.25 | 2125.01 | 1976.28 | 1837.40 |
| G 60.0 | 2205.10 | 2350.91 | 2482.83 | 2574.17 | 2613.72 | 2617.39 | 2608.52 | 2551.26 | 2447.45 | 2334.90 | 2186.22 | 2008.69 | 1842.20 |
| G 65.0 | 2294.67 | 2471.25 | 2632.29 | 2743.67 | 2789.10 | 2790.80 | 2782.41 | 2712.12 | 2580.91 | 2442.35 | 2264.66 | 2054.52 | 1857.06 |
| G 70.0 | 2422.26 | 2639.09 | 2842.79 | 2992.24 | 3057.37 | 3059.14 | 3041.01 | 2948.66 | 2784.13 | 2606.60 | 2381.56 | 2118.23 | 1869.82 |
| G 75.0 | 2647.84 | 2923.25 | 3186.25 | 3413.75 | 3507.85 | 3488.73 | 3462.45 | 3338.31 | 3109.68 | 2869.18 | 2571.60 | 2227.76 | 1907.89 |
| G 80.0 | 3069.05 | 3505.50 | 3922.35 | 4173.86 | 4236.64 | 4203.98 | 4187.89 | 4045.04 | 3740.42 | 3380.09 | 2945.87 | 2462.66 | 2000.54 |
| G 85.0 | 4432.86 | 5182.13 | 5842.87 | 6320.80 | 6527.97 | 6525.00 | 6439.30 | 6092.61 | 5506.78 | 4894.13 | 4127.17 | 3233.37 | 2406.33 |
| G 90.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**Luminaria**
Código PX-0468-BLA
Nombre KAPA
**Ensayo**
Código PX-0468-BLA
Nombre KAPA

| Flujo Luminaria | 443.60 lm | Potencia luminaria | 10.30 W | Eficacia | 43.07 lm/W | Eficiencia | 100.00% |
|---|---|---|---|---|---|---|---|
| Flujo de Lámpara | 443.60 lm | Valor Máximo | 183.99 cd/klm | Posición | C=175.00 G=159.00 | CG | Asimétrico |

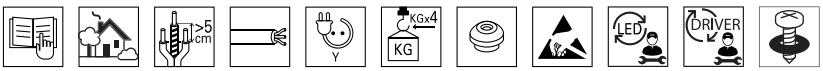
**Luminance cd/m2** **Tabla 3/3**

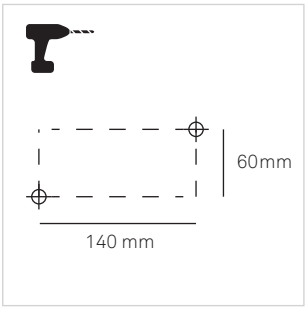
| | C 260.00 | C 270.00 | C 280.00 | C 290.00 | C 300.00 | C 310.00 | C 320.00 | C 330.00 | C 340.00 | C 350.00 |
|---|---|---|---|---|---|---|---|---|---|---|
| G 0.0 | 1673.61 | 1664.13 | 1659.96 | 1661.14 | 1663.57 | 1663.42 | 1663.11 | 1663.05 | 1664.04 | 1669.47 |
| G 5.0 | 1685.72 | 1659.77 | 1644.57 | 1634.98 | 1624.55 | 1613.21 | 1604.19 | 1597.75 | 1592.48 | 1594.88 |
| G 10.0 | 1694.66 | 1656.81 | 1629.74 | 1606.65 | 1583.33 | 1563.38 | 1544.45 | 1527.69 | 1518.55 | 1519.46 |
| G 15.0 | 1705.49 | 1652.33 | 1611.02 | 1574.27 | 1538.63 | 1509.77 | 1482.25 | 1457.31 | 1443.82 | 1442.84 |
| G 20.0 | 1706.85 | 1639.79 | 1587.73 | 1540.70 | 1493.95 | 1454.58 | 1419.15 | 1388.12 | 1368.22 | 1364.08 |
| G 25.0 | 1708.81 | 1632.32 | 1565.12 | 1501.61 | 1442.97 | 1398.09 | 1354.97 | 1314.24 | 1290.94 | 1285.99 |
| G 30.0 | 1709.24 | 1618.68 | 1538.03 | 1463.42 | 1394.51 | 1337.44 | 1284.75 | 1238.26 | 1210.36 | 1204.05 |
| G 35.0 | 1706.91 | 1602.38 | 1508.72 | 1420.58 | 1338.38 | 1271.25 | 1210.94 | 1158.54 | 1126.53 | 1117.78 |
| G 40.0 | 1702.30 | 1580.19 | 1473.36 | 1372.71 | 1277.81 | 1201.20 | 1133.01 | 1073.12 | 1035.02 | 1024.23 |
| G 45.0 | 1696.87 | 1559.63 | 1437.03 | 1319.70 | 1208.87 | 1119.78 | 1040.82 | 972.27 | 930.19 | 918.33 |
| G 50.0 | 1686.78 | 1529.84 | 1388.84 | 1254.66 | 1128.62 | 1026.41 | 936.12 | 858.28 | 810.00 | 795.67 |
| G 55.0 | 1673.68 | 1489.52 | 1329.63 | 1178.09 | 1032.77 | 913.37 | 809.73 | 722.43 | 668.07 | 652.19 |
| G 60.0 | 1653.37 | 1444.63 | 1258.30 | 1078.86 | 909.09 | 774.41 | 658.59 | 560.54 | 501.02 | 484.08 |
| G 65.0 | 1631.72 | 1382.18 | 1160.90 | 951.52 | 756.65 | 604.01 | 475.65 | 369.89 | 308.09 | 291.08 |
| G 70.0 | 1596.38 | 1300.22 | 1033.53 | 784.35 | 559.28 | 388.24 | 254.11 | 152.20 | 97.53 | 85.39 |
| G 75.0 | 1556.14 | 1179.37 | 854.65 | 560.70 | 300.81 | 121.37 | 39.06 | 27.51 | 34.17 | 42.21 |
| G 80.0 | 1510.35 | 1008.51 | 584.14 | 235.86 | 18.13 | 25.75 | 33.73 | 42.07 | 43.94 | 47.73 |
| G 85.0 | 1542.71 | 703.49 | 148.98 | 10.65 | 11.28 | 38.54 | 50.75 | 74.39 | 95.06 | 110.88 |
| G 90.0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

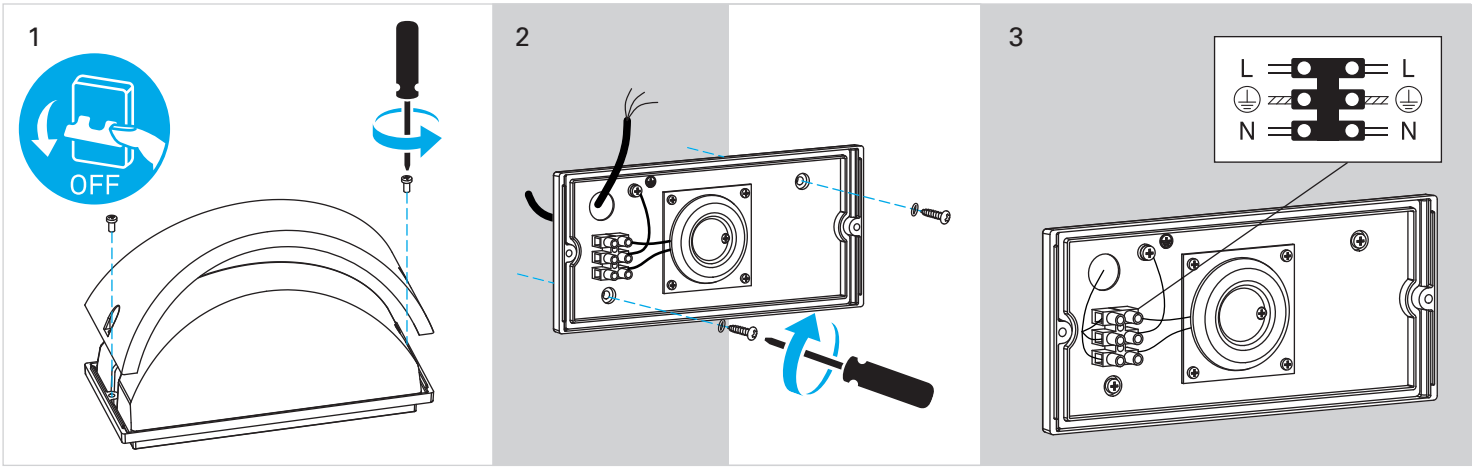

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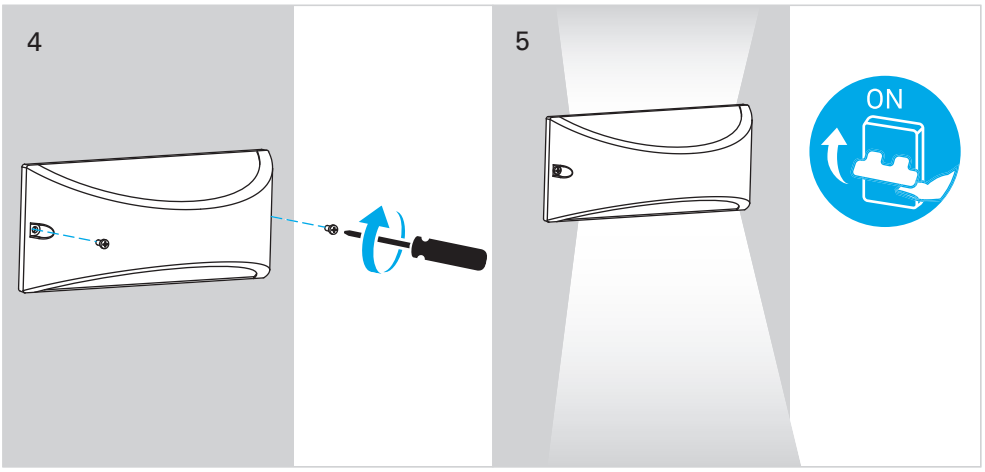
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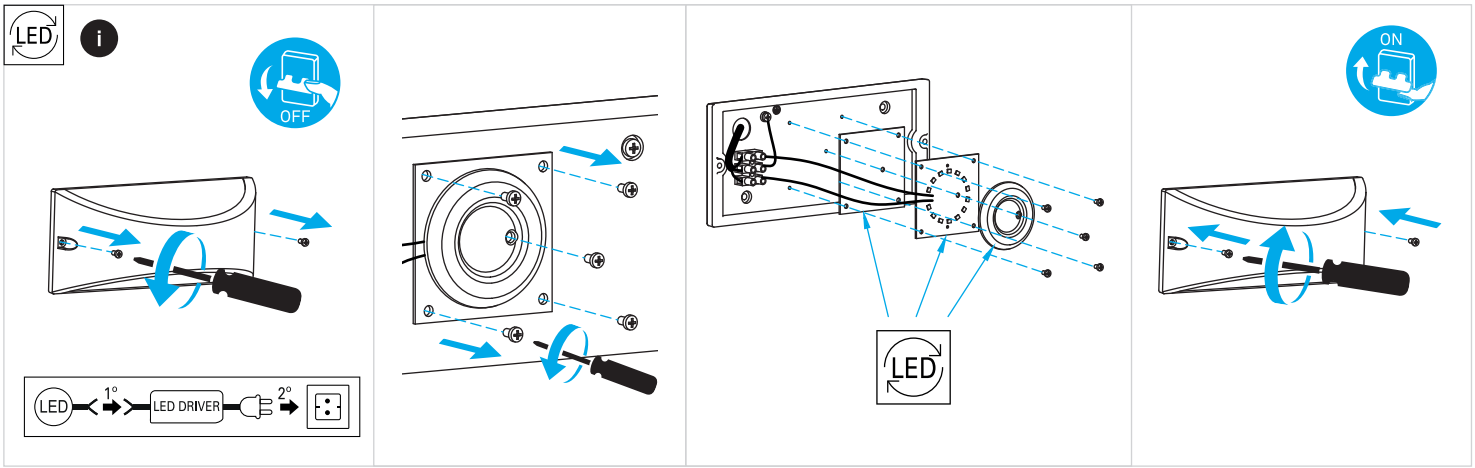
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