

**TECHNICAL FEATURES**

IP23 IK02



RF  
850°C



Luminaire total power : 15W

Structure material : Aluminium

Structure finish : Rusty brown

Diffuser material : Glass

Diffuser finish : Rustic

Max. size of light bulb : 180/NA mm

Recommended light bulb : E27

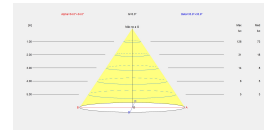
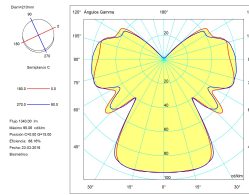
Voltage / frequency : 100-240V ~ 50/60Hz

Warranty : 2 Years

Easily recyclable luminaire

**LUMINOTECHNIC FEATURES**

| Lampholder | Quantity | Light source power (W) | Correlated Colour Temperature (CCT) |
|------------|----------|------------------------|-------------------------------------|
| E27        | 1        | Max. power 15W         | -                                   |



**LOGISTICS**

Net weight (kg): 1.71

Packaged weight (kg): 2.35

Packaging: 310mm x 230mm x 430mm

 4 Un

**Luminaire**

Code PX-0024-OXI  
 Name Colgante 1x100W E27 A55

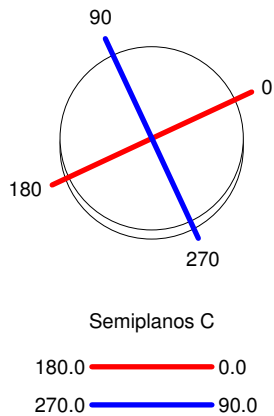
**Measur.**

Code PX-0025-OXI  
 Name Colgante 1x100W E27 A55

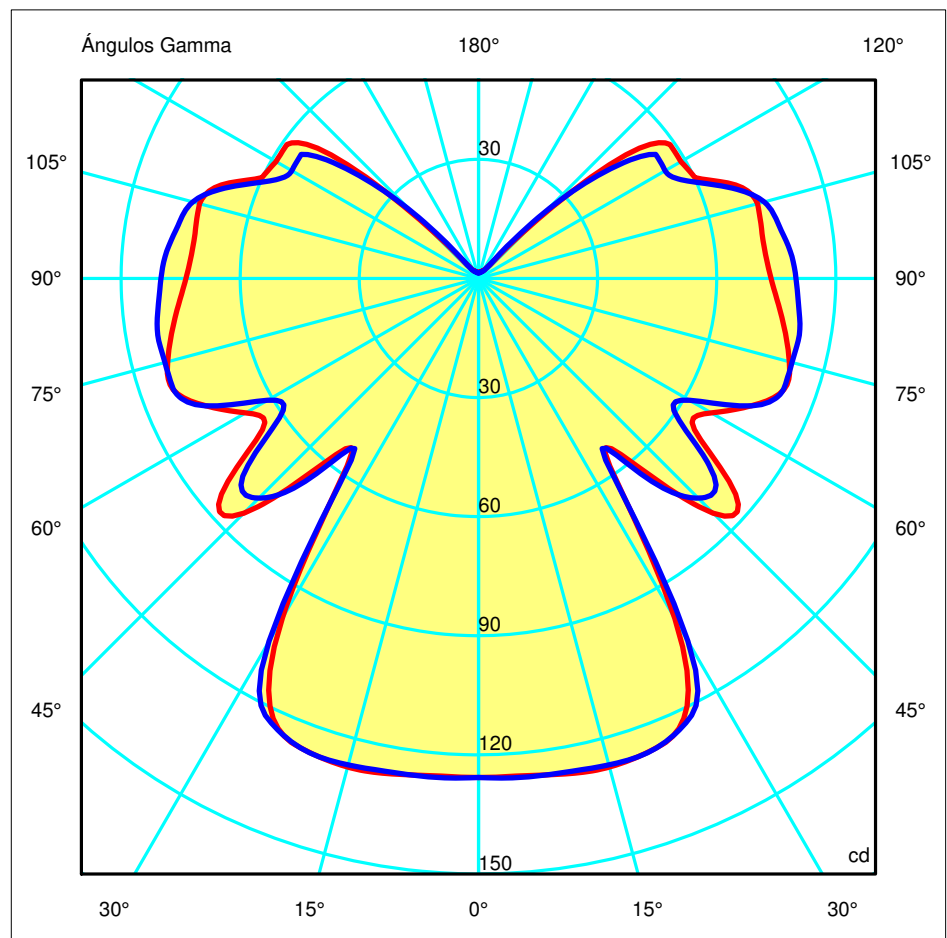
|  |             |                             |                    |                             |                |                           |                    |
|--|-------------|-----------------------------|--------------------|-----------------------------|----------------|---------------------------|--------------------|
| Luminaire Flux                         | 913.33 lm   | Luminaire Power             | 100.00 W           | Efficacy                    | 9.13 lm/W      | Efficiency                | 68.16%             |
| Lamps Flux                             | 1340.00 lm  | Maximum value               | 127.38 cd          | Position                    | C=0.00 G=15.00 | CG                        | Double Symmetrical |
| Round Luminaire<br>Round Luminous Area |             | Diam.                       | 210 mm             | Height                      | 410 mm         |                           |                    |
|  |             | Diam.                       | 210 mm             | Height                      | 190 mm         |                           |                    |
| Horizontal Luminous Area               | 0.034636 m2 | Emitting area on Plane 180° | 0.039900 m2        | Emitting area on Plane 270° | 0.039900 m2    | Emitting area on Plane 0° | 0.039900 m2        |
|  | 0.039900 m2 | Emitting area on Plane 90°  | 0.039900 m2        | Glare area at 76°           | 0.047094 m2    |                           |                    |
| Coordinate system                      | CG          | Symmetry Type               | Double Symmetrical |                             |                |                           |                    |
| Date                                   | 23-03-2016  | Maximum Gamma Angle         | 180                |                             |                |                           |                    |
| Measurement Distance                   | 0.00        | Measurement Flux            | 1340.00 lm         |                             |                |                           |                    |
| Operator                               | Asselum T2  | Source Voltage [V]          |                    |                             |                |                           |                    |
| Temperature                            | 25.00 °C    | Source current [A]          |                    |                             |                |                           |                    |
| Humidity                               | 60.00 %     | Photocell                   |                    |                             |                |                           |                    |
| Notes                                  |             |                             |                    |                             |                |                           |                    |

| Line   | Luminaire Lamps    |                    |                 |          |      |  |
|--------|--------------------|--------------------|-----------------|----------|------|--|
|        | Code               | Name               | Flux [lm]       | Pow. [W] | Q.ty |  |
|        | STANDAR GOC 100W O | STANDAR GOC 100W O | 1340.00         | 100.00   | 1    |  |
| C.I.E. | 27 50 75 64 68     | D DIN 5040         | B11             |          |      |  |
| F UTE  | 0.44 J + 0.24 T    | B NBN              | BZ 7 / 1 / BZ 8 |          |      |  |

Diam=210mm



ULOR 24.35 %  
 DLOR 43.81 %  
 RN 35.73 %



**Luminaire**

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**Measurem.**

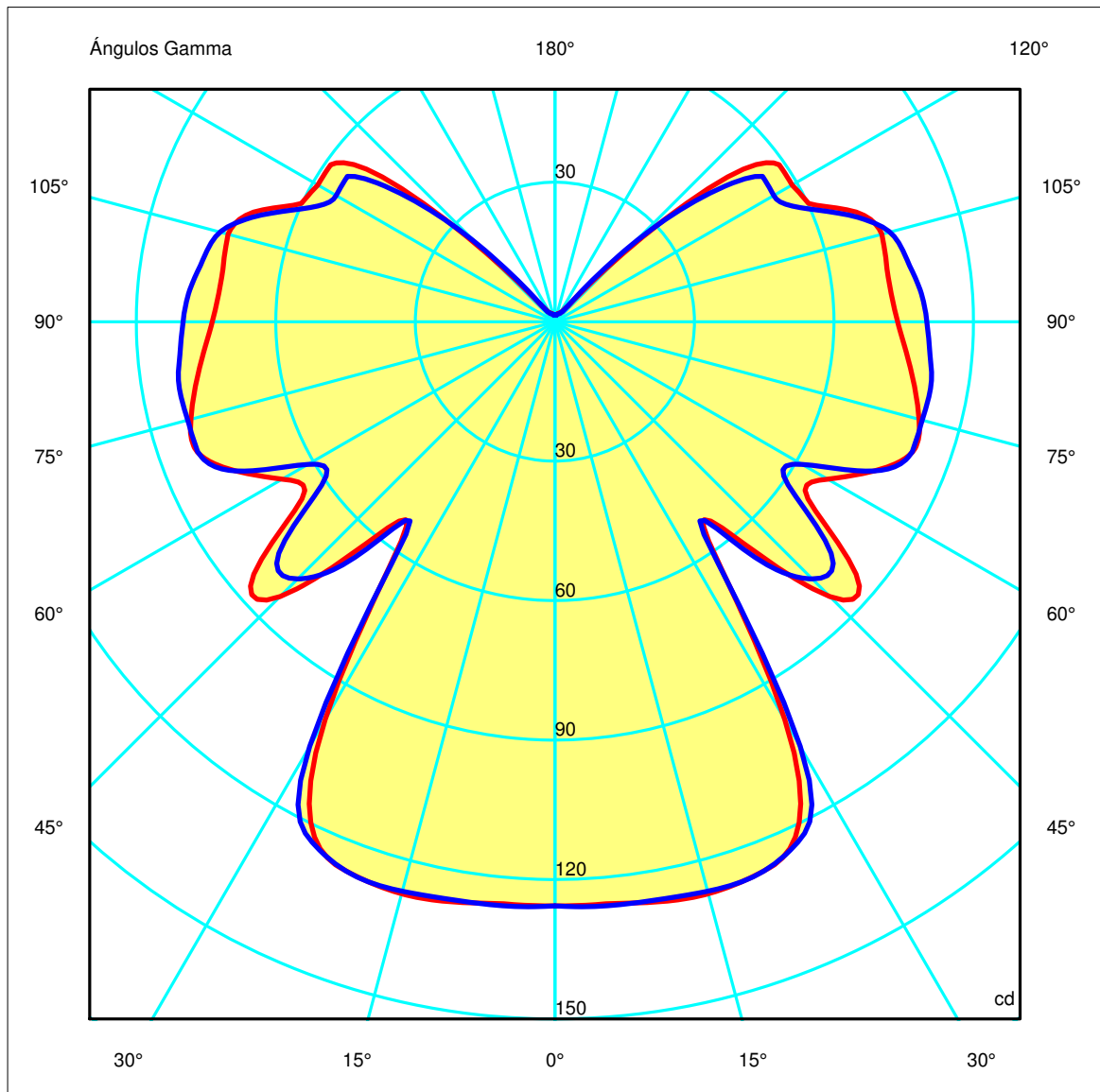
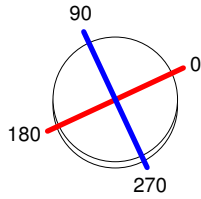
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Diam=210mm

Semiplanos C

180.0 ——— 0.0  
 270.0 ——— 90.0



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**Measur.**

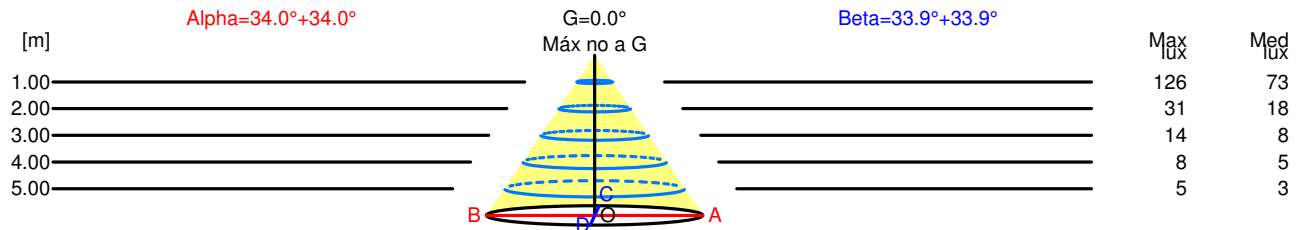
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## Width at 50.00 % of Max Intensity

|      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|
| 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   | 0.67 | 1.35 | 2.02 | 2.70 | 3.37 | OC   | 0.67 | 1.34 | 2.02 | 2.69 | 3.36 |
| OB   | 0.67 | 1.35 | 2.02 | 2.70 | 3.37 | OD   | 0.67 | 1.34 | 2.02 | 2.69 | 3.36 |

|    | Luminous Intensities [ cd ] |        |        |        |       |       |       |       |       |       |
|----|-----------------------------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
|    | 0                           | 5      | 15     | 25     | 35    | 45    | 55    | 65    | 75    | 85    |
| OA | 125.67                      | 125.70 | 127.38 | 122.32 | 57.67 | 83.60 | 66.41 | 75.85 | 81.03 | 75.83 |
| OB | 125.67                      | 125.70 | 127.38 | 122.32 | 57.67 | 83.60 | 66.41 | 75.85 | 81.03 | 75.83 |
| OC | 125.67                      | 126.13 | 126.82 | 123.53 | 55.85 | 78.24 | 61.18 | 75.90 | 81.75 | 80.95 |
| OD | 125.67                      | 126.13 | 126.82 | 123.53 | 55.85 | 78.24 | 61.18 | 75.90 | 81.75 | 80.95 |



| H[m] | D[m] | Max lux | Med lux | Alpha=34.0°+34.0° | G=0.0<br>Máx no a G |  |
|------|------|---------|---------|-------------------|---------------------|--|
| 1.00 | 1.35 | 126     | 73      |                   |                     |  |
| 2.00 | 2.70 | 31      | 18      |                   |                     |  |
| 3.00 | 4.05 | 14      | 8       |                   |                     |  |
| 4.00 | 5.40 | 8       | 5       |                   |                     |  |
| 5.00 | 6.75 | 5       | 3       |                   |                     |  |

| H[m] | D[m] | Max lux | Med lux | Beta=33.9°+33.9° | G=0.0<br>Máx no a G |  |
|------|------|---------|---------|------------------|---------------------|--|
| 1.00 | 1.34 | 126     | 73      |                  |                     |  |
| 2.00 | 2.69 | 31      | 18      |                  |                     |  |
| 3.00 | 4.03 | 14      | 8       |                  |                     |  |
| 4.00 | 5.38 | 8       | 5       |                  |                     |  |
| 5.00 | 6.72 | 5       | 3       |                  |                     |  |

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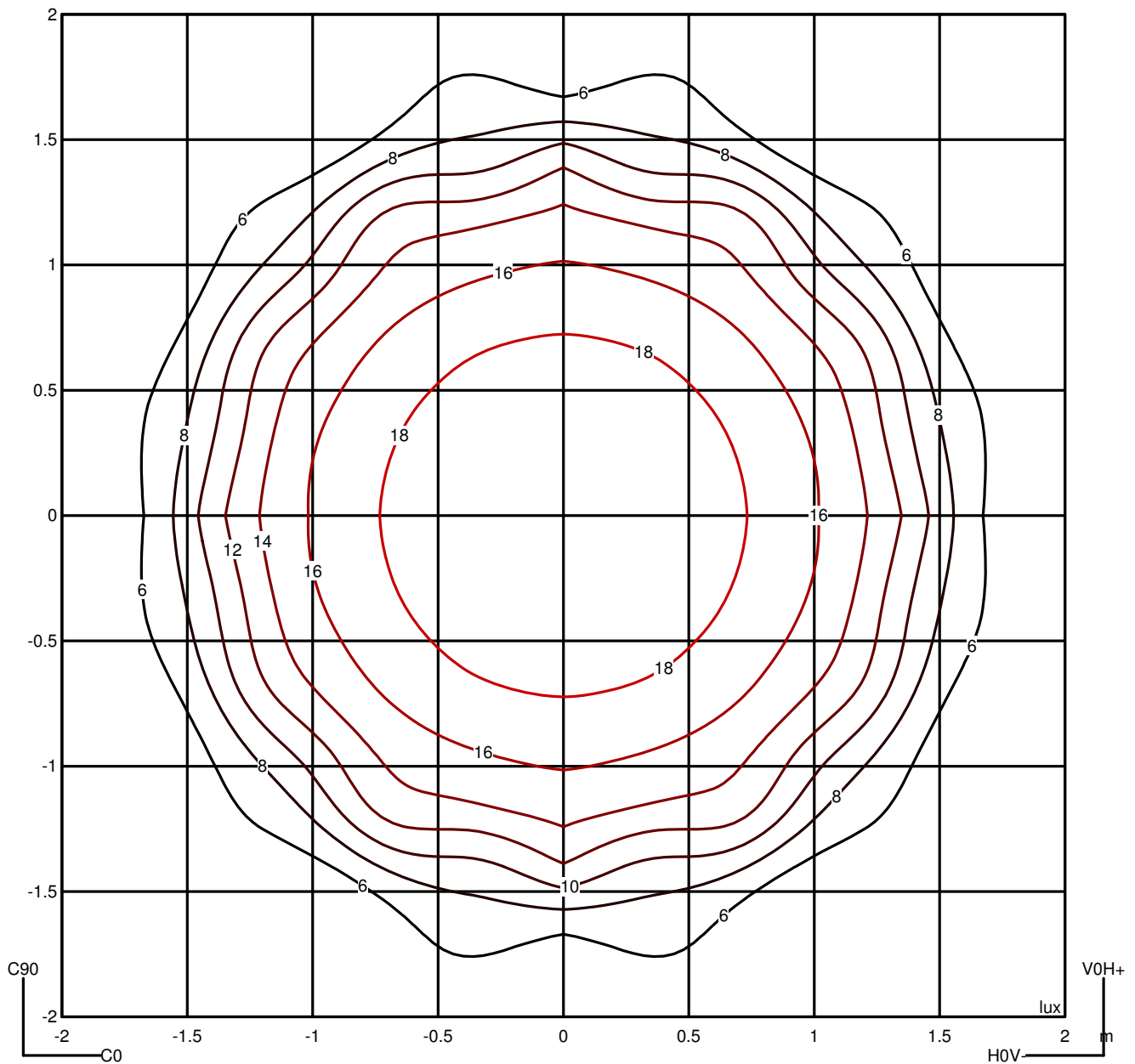
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Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=2.50m



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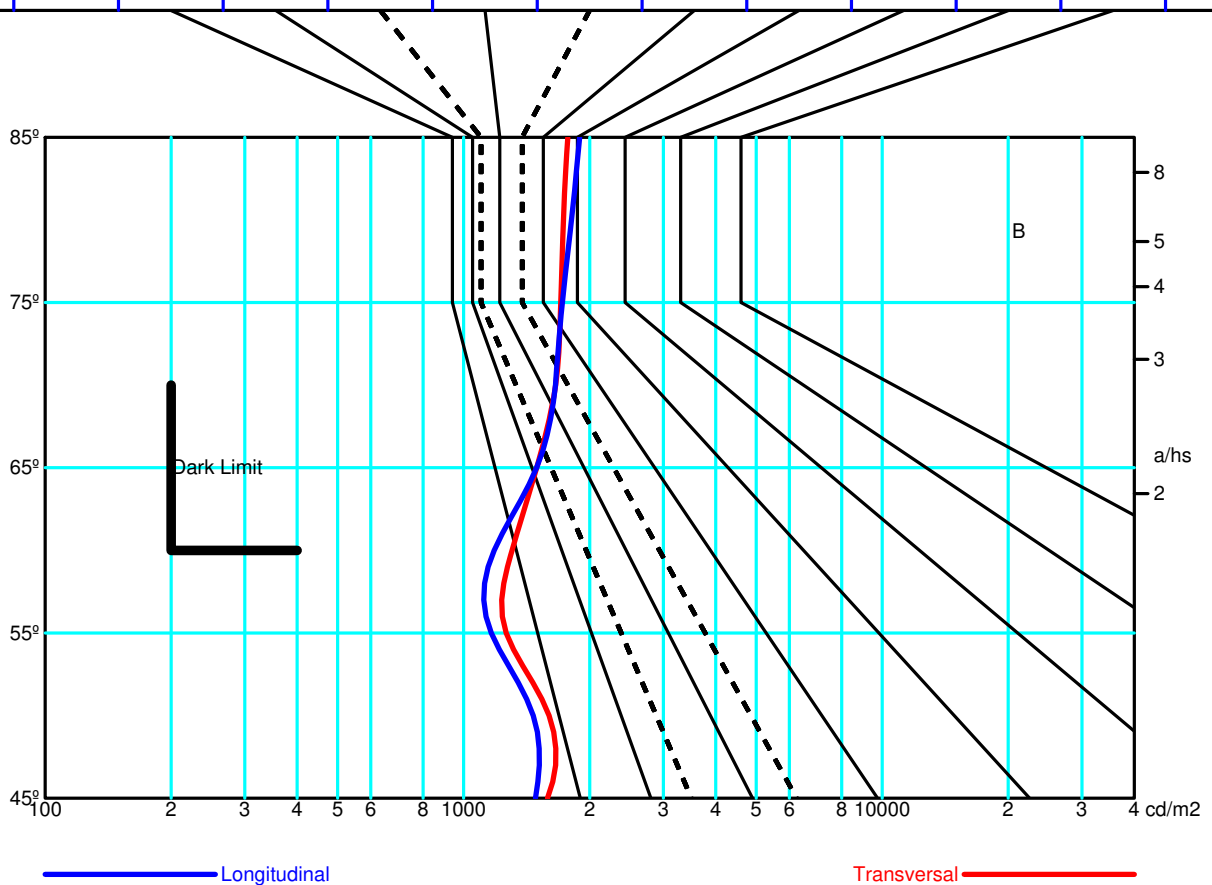
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|       |  | Average Luminance [cd/m <sup>2</sup> ] |      |      |      |      |      |      |      |      |     |
|-------|--|--|------|------|------|------|------|------|------|------|-----|
|       |  | 45°                                    | 50°  | 55°  | 60°  | 65°  | 70°  | 75°  | 80°  | 85°  |     |
| 0.0°  |  | 1586                                   | 1600 | 1264 | 1305 | 1493 | 1659 | 1706 | 1731 | 1773 | --- |
| 90.0° |  | 1484                                   | 1467 | 1164 | 1182 | 1494 | 1657 | 1721 | 1810 | 1893 | --- |

| Flujo montado o vista transversal |   |                  |      |      |      |     |      |      |      |      |      |      |
|-----------------------------------|---|------------------|------|------|------|-----|------|------|------|------|------|------|
|                                   |   | Iluminancia (lx) |      |      |      |     |      |      |      |      |      |      |
| A                                 | A | 2000             | 1000 | 750  | 500  |     | <300 |      |      |      | 1.15 |      |
| B                                 | 1 |                  | 2000 | 1500 | 1000 | 750 | 500  | <300 |      |      | 1.5  |      |
| C                                 |   |                  |      |      | 2000 |     | 1000 | 500  | <300 |      | 1.85 |      |
| D                                 | 2 |                  |      |      |      |     | 2000 | 1000 | 500  | <300 | 2.2  |      |
| E                                 | 3 |                  |      |      |      |     |      | 2000 | 1000 | 500  | <300 | 2.55 |



**Luminaire**

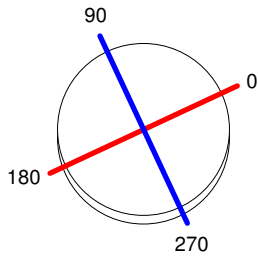
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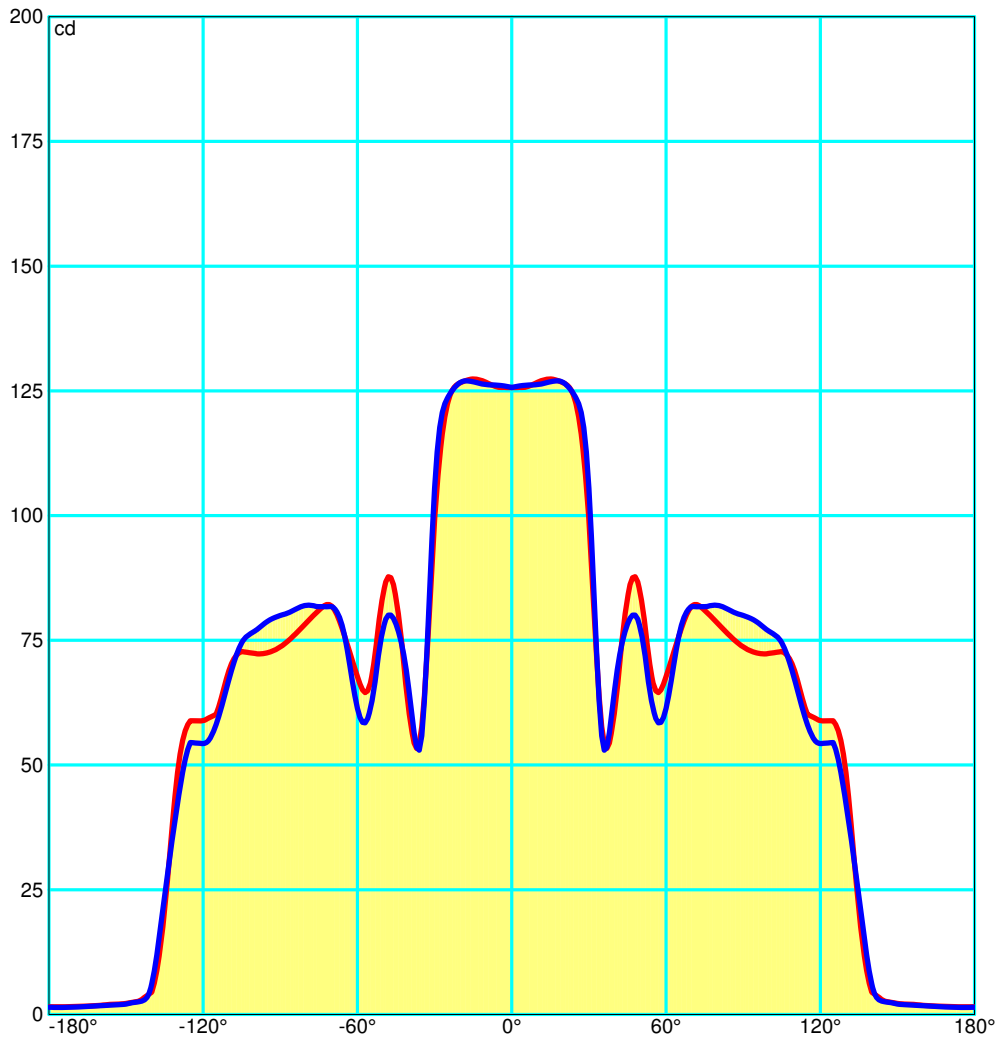
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Semiplanos C  
 180.0 ——— 0.0  
 270.0 ——— 90.0





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**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 | ViewedCrosswise |      |      |      |      | ViewedEndwise |      |      |      |      |
| x=2H y=2H      | 11.3            | 12.4 | 12.0 | 13.2 | 14.2 | 11.4          | 12.5 | 12.1 | 13.3 | 14.2 |
| x=2H y=3H      | 14.2            | 15.2 | 14.9 | 16.0 | 17.1 | 14.4          | 15.4 | 15.1 | 16.2 | 17.1 |
| x=2H y=4H      | 15.5            | 16.5 | 16.3 | 17.3 | 18.6 | 15.8          | 16.8 | 16.6 | 17.6 | 18.6 |
| x=2H y=6H      | 16.8            | 17.7 | 17.6 | 18.5 | 19.9 | 17.1          | 18.0 | 17.9 | 18.8 | 19.9 |
| x=2H y=8H      | 17.4            | 18.2 | 18.2 | 19.1 | 20.5 | 17.8          | 18.6 | 18.6 | 19.5 | 20.5 |
| x=2H y=12H     | 17.9            | 18.8 | 18.8 | 19.6 | 21.1 | 18.4          | 19.2 | 19.2 | 20.0 | 21.1 |
| x=4H y=2H      | 12.5            | 13.4 | 13.2 | 14.2 | 15.3 | 12.5          | 13.5 | 13.3 | 14.3 | 15.3 |
| x=4H y=3H      | 15.5            | 16.4 | 16.4 | 17.2 | 18.5 | 15.8          | 16.6 | 16.6 | 17.4 | 18.5 |
| x=4H y=4H      | 17.0            | 17.8 | 17.9 | 18.6 | 20.0 | 17.3          | 18.1 | 18.2 | 18.9 | 20.0 |
| x=4H y=6H      | 18.4            | 19.1 | 19.3 | 20.0 | 21.5 | 18.8          | 19.5 | 19.7 | 20.4 | 21.5 |
| x=4H y=8H      | 19.1            | 19.7 | 20.0 | 20.6 | 22.2 | 19.5          | 20.2 | 20.4 | 21.1 | 22.2 |
| x=4H y=12H     | 19.7            | 20.3 | 20.6 | 21.2 | 22.8 | 20.2          | 20.8 | 21.1 | 21.7 | 22.8 |
| x=8H y=4H      | 17.8            | 18.4 | 18.7 | 19.3 | 20.6 | 18.0          | 18.6 | 18.9 | 19.5 | 20.6 |
| x=8H y=6H      | 19.4            | 20.0 | 20.3 | 20.9 | 22.3 | 19.8          | 20.3 | 20.7 | 21.2 | 22.3 |
| x=8H y=8H      | 20.3            | 20.7 | 21.2 | 21.7 | 23.2 | 20.6          | 21.1 | 21.6 | 22.0 | 23.2 |
| x=8H y=12H     | 21.1            | 21.5 | 22.0 | 22.4 | 24.1 | 21.5          | 22.0 | 22.5 | 22.9 | 24.1 |
| x=12H y=4H     | 17.9            | 18.5 | 18.8 | 19.4 | 20.7 | 18.1          | 18.7 | 19.0 | 19.6 | 20.7 |
| x=12H y=6H     | 19.7            | 20.2 | 20.6 | 21.1 | 22.5 | 20.0          | 20.5 | 20.9 | 21.4 | 22.5 |
| x=12H y=8H     | 20.6            | 21.0 | 21.5 | 22.0 | 23.5 | 21.0          | 21.4 | 21.9 | 22.3 | 23.5 |

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**Measurement**

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Flujo Total=1340.00 Flujo Luminaria=913.33

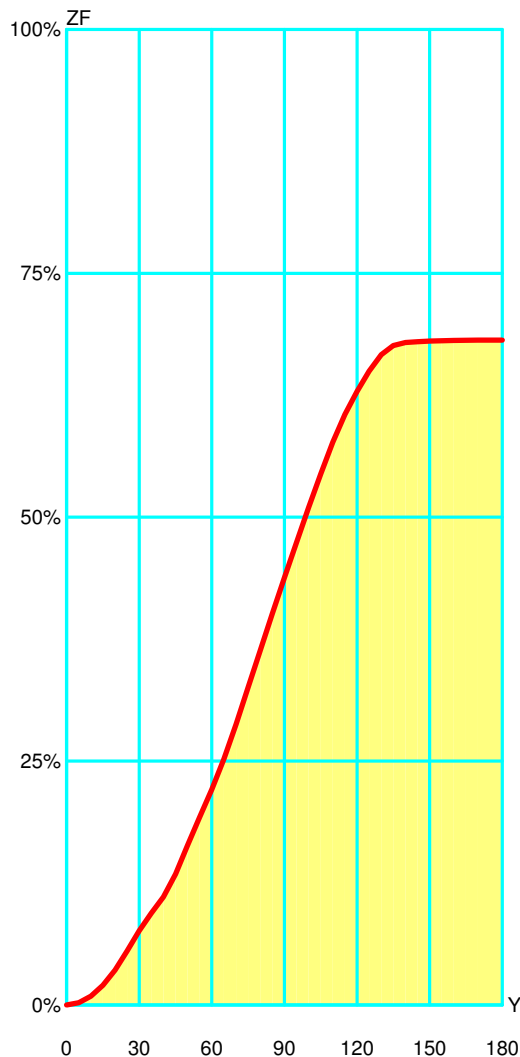
|     |      |      |      |      |      |      |      |      |      |      |       |       |
|-----|------|------|------|------|------|------|------|------|------|------|-------|-------|
| RI  | 0.60 | 0.80 | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 | 10.00 | 20.00 |
| DRR | 0.17 | 0.23 | 0.28 | 0.34 | 0.39 | 0.47 | 0.53 | 0.57 | 0.64 | 0.69 | 0.80  | 0.88  |
| RC  | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9     | 9     |

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) | 9  | 36 | 76 | 111 | 164 | 221 | 288 | 363 | 438 | 510 | 577 | 629 | 667 | 679 | 680 | 681 | 681 | 682 |

 Códigos de Flujo C.I.E.  
 27 50 75 64 68

|            |                 |      |            |
|------------|-----------------|------|------------|
| C.I.E.     | 9               | LOR  | 68.15870 % |
| D DIN 5040 | B11             | ULOR | 24.35242 % |
| F UTE      | 0.44 J + 0.24 T | DLOR | 43.80628 % |
| B NBN      | BZ 7 / 1 / BZ 8 | UFF  | 35.72900 % |
| RN         | 35.72900 %      | DFF  | 64.27100 % |
| BLF        | 1.0             | FFR  | 55.59117 % |



| Gamma ° | Flujo Zonal |         |           |          |
|---------|-------------|---------|-----------|----------|
|         | Flujo       | Suma lm | Flujo [%] | Suma [%] |
| 0°      | 0.00        | 0.00    | 0.00%     | 0.00 %   |
| 5°      | 2.25        | 2.25    | 0.33 %    | 0.33 %   |
| 10°     | 6.75        | 8.99    | 0.99 %    | 1.32 %   |
| 15°     | 11.23       | 20.22   | 1.65 %    | 2.97 %   |
| 20°     | 15.60       | 35.83   | 2.29 %    | 5.26 %   |
| 25°     | 19.47       | 55.30   | 2.86 %    | 8.11 %   |
| 30°     | 20.87       | 76.18   | 3.06 %    | 11.18 %  |
| 35°     | 17.80       | 93.98   | 2.61 %    | 13.79 %  |
| 40°     | 16.78       | 110.76  | 2.46 %    | 16.25 %  |
| 45°     | 23.37       | 134.13  | 3.43 %    | 19.68 %  |
| 50°     | 29.55       | 163.68  | 4.34 %    | 24.02 %  |
| 55°     | 29.11       | 192.79  | 4.27 %    | 28.29 %  |
| 60°     | 28.09       | 220.88  | 4.12 %    | 32.41 %  |
| 65°     | 31.26       | 252.14  | 4.59 %    | 36.99 %  |
| 70°     | 35.57       | 287.71  | 5.22 %    | 42.21 %  |
| 75°     | 37.84       | 325.55  | 5.55 %    | 47.76 %  |
| 80°     | 37.90       | 363.45  | 5.56 %    | 53.32 %  |
| 85°     | 37.60       | 401.05  | 5.52 %    | 58.84 %  |
| 90°     | 37.01       | 438.06  | 5.43 %    | 64.27 %  |
| 95°     | 36.28       | 474.34  | 5.32 %    | 69.59 %  |
| 100°    | 35.51       | 509.84  | 5.21 %    | 74.80 %  |
| 105°    | 34.48       | 544.32  | 5.06 %    | 79.86 %  |
| 110°    | 32.60       | 576.92  | 4.78 %    | 84.64 %  |
| 115°    | 28.40       | 605.32  | 4.17 %    | 88.81 %  |
| 120°    | 23.64       | 628.97  | 3.47 %    | 92.28 %  |
| 125°    | 20.76       | 649.73  | 3.05 %    | 95.33 %  |
| 130°    | 16.80       | 666.53  | 2.46 %    | 97.79 %  |
| 135°    | 9.44        | 675.97  | 1.39 %    | 99.18 %  |
| 140°    | 3.11        | 679.07  | 0.46 %    | 99.63 %  |
| 145°    | 0.87        | 679.94  | 0.13 %    | 99.76 %  |
| 150°    | 0.51        | 680.46  | 0.08 %    | 99.83 %  |
| 155°    | 0.39        | 680.84  | 0.06 %    | 99.89 %  |
| 160°    | 0.29        | 681.14  | 0.04 %    | 99.93 %  |
| 165°    | 0.21        | 681.35  | 0.03 %    | 99.96 %  |
| 170°    | 0.14        | 681.48  | 0.02 %    | 99.98 %  |
| 175°    | 0.08        | 681.56  | 0.01 %    | 100.00 % |
| 180°    | 0.03        | 681.59  | 0.00 %    | 100.00 % |

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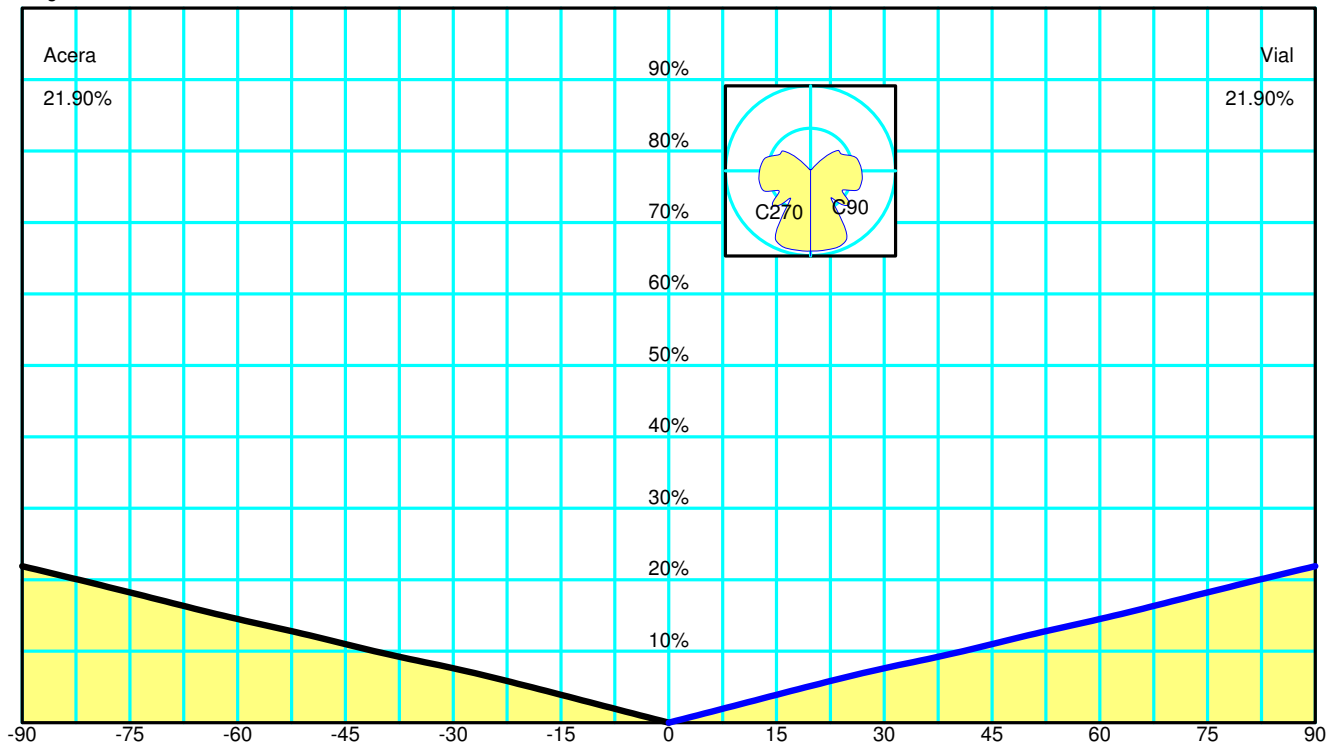
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|                |            |                 |           |          |                |            |                    |
|----------------|------------|-----------------|-----------|----------|----------------|------------|--------------------|
| Luminaire Flux | 913.33 lm  | Luminaire Power | 100.00 W  | Efficacy | 9.13 lm/W      | Efficiency | 68.16%             |
| Lamps Flux     | 1340.00 lm | Maximum value   | 127.38 cd | Position | C=0.00 G=15.00 | CG         | Double Symmetrical |

| Pavement |     |        | Road  |    |        |
|----------|-----|--------|-------|----|--------|
| Piano    | 0   | 0.00%  | Piano | 0  | 0.00%  |
| Piano    | -5  | 1.29%  | Piano | 5  | 1.29%  |
| Piano    | -10 | 2.59%  | Piano | 10 | 2.59%  |
| Piano    | -15 | 3.90%  | Piano | 15 | 3.90%  |
| Piano    | -20 | 5.19%  | Piano | 20 | 5.19%  |
| Piano    | -25 | 6.45%  | Piano | 25 | 6.45%  |
| Piano    | -30 | 7.62%  | Piano | 30 | 7.62%  |
| Piano    | -35 | 8.68%  | Piano | 35 | 8.68%  |
| Piano    | -40 | 9.78%  | Piano | 40 | 9.78%  |
| Piano    | -45 | 11.00% | Piano | 45 | 11.00% |
| Piano    | -50 | 12.22% | Piano | 50 | 12.22% |
| Piano    | -55 | 13.36% | Piano | 55 | 13.36% |
| Piano    | -60 | 14.50% | Piano | 60 | 14.50% |
| Piano    | -65 | 15.70% | Piano | 65 | 15.70% |
| Piano    | -70 | 16.97% | Piano | 70 | 16.97% |
| Piano    | -75 | 18.23% | Piano | 75 | 18.23% |
| Piano    | -80 | 19.47% | Piano | 80 | 19.47% |
| Piano    | -85 | 20.70% | Piano | 85 | 20.70% |
| Piano    | -90 | 21.90% | Piano | 90 | 21.90% |

Ángulo de Inclinación = 0.0

DLOR = 43.81%



|                       |                                     |                              |            |
|-----------------------|-------------------------------------|------------------------------|------------|
| Spread                | 28.5° Estrecho                      | DLOR                         | 43.80628 % |
| Throw                 | 13.7° Corto                         | ULOR                         | 24.35242 % |
| SLI (deslumbramiento) | Concentrado                         | Rendimiento                  | 68.15870 % |
| Cutoff CIE            | No Cutoff - Max: C=0.0° Gamma=15.0° | RN                           | 35.72900 % |
| Cutoff lesna          | No Cutoff                           | Clase de Intensidad Luminosa | GU         |
| DIN5044               | --                                  | Índice de Deslumbramiento    | D6         |

IESNA Type VS Very Short Quadrilateral Symmetry

**Luminaire**

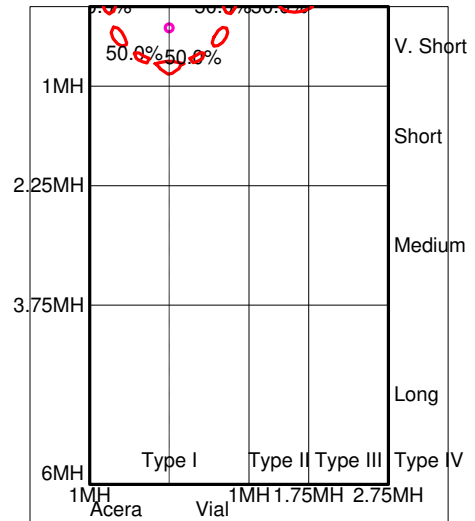
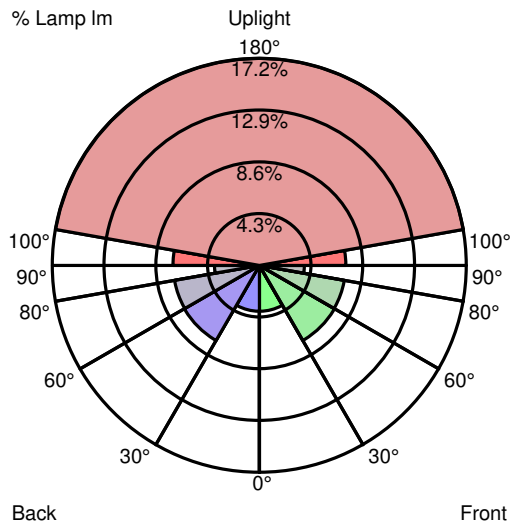
Code PX-0024-OXI  
 Name Colgante 1x100W E27 A55

**Measurement**

Code PX-0025-OXI  
 Name Colgante 1x100W E27 A55

|                |            |                 |           |          |                |            |                    |
|----------------|------------|-----------------|-----------|----------|----------------|------------|--------------------|
| Luminaire Flux | 913.33 lm  | Luminaire Power | 100.00 W  | Efficacy | 9.13 lm/W      | Efficiency | 68.16%             |
| Lamps Flux     | 1340.00 lm | Maximum value   | 127.38 cd | Position | C=0.00 G=15.00 | CG         | Double Symmetrical |

US ROAD STANDARDS



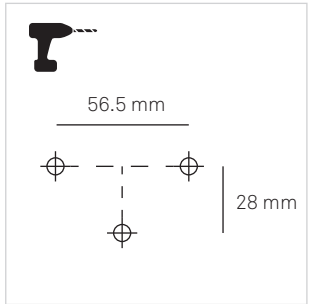
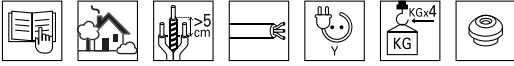
| Luminaire Classification System (LCS)                  |              |          |                |
|--|--------------|----------|----------------|
| LCS Zone   |              | Lumens   | %Lamp %Lum     |
| FL   | 0° -- 30°    | 51.1 lm  | 3.8 % 5.6 %    |
| FM   | 30° -- 60°   | 96.5 lm  | 7.2 % 10.6 %   |
| FH   | 60° -- 80°   | 95.9 lm  | 7.2 % 10.5 %   |
| FVH  | 80° -- 90°   | 50.0 lm  | 3.7 % 5.5 %    |
| BL   | 0° -- 30°    | 51.1 lm  | 3.8 % 5.6 %    |
| BM   | 30° -- 60°   | 96.5 lm  | 7.2 % 10.6 %   |
| BH   | 60° -- 80°   | 95.9 lm  | 7.2 % 10.5 %   |
| BVH  | 80° -- 90°   | 50.0 lm  | 3.7 % 5.5 %    |
| UL   | 90° -- 100°  | 96.2 lm  | 7.2 % 10.5 %   |
| UH   | 100° -- 180° | 230.3 lm | 17.2 % 25.2 %  |
| TOTALS   |              | 913.3 lm | 68.2 % 100.0 % |
| BUG B0 U3 G1 Type VS Very Short Quadrilateral Symmetry |              |          |                |



# Siros

PX-0024

FOR  
LIGHT



1

OFF

2

L L  
N N

3

E-27

4

ON