

55-9336-Z5-M3

V0

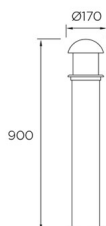
BALIZAS Bollard**Description**

Bollard IP44 BALIZAS E27 100W Urban grey 735lm

| | Finish | Material |
|------------------|------------|---------------|
| Structure | Urban grey | Aluminium |
| Diffuser | Matt | Polycarbonate |



IP44 IK08 4

**TECHNICAL CHARACTERISTICS****Light source**

Lampholder: 1 x E27
 Light source power (W): MAX 100W
 Luminaire total power (W): 100W
 Lamp maximum dimension: 190/70 mm
 Real Lumen: 735
 Quantity: 1
 Lm/Real W: 7
 UGR: 17.6
 Recommended lamp: E27

GEAR

Voltage / Frequency:
 100-240VAC/50-60Hz

Luminaire

Double cable exit: No
 Drainage: No
 Uv Protection: Yes
 Warranty: 2 Years

Logistics

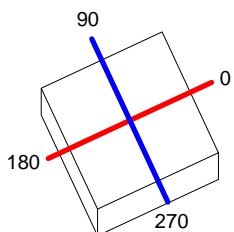
Energy Efficiency: NO BULB
 EAN Code: 8435111076026
 Net Weight (Kg): 2.41
 Weight in Kg (packaged): 3.24
 Packing: 180 x 180 x 920
 Masterbox: 4

The photograph may not match the reference exactly. Please read the product description to identify the finish.

| | | | | | | |
|----------------------------|---------------|-----------------------------|------------------|--------------|------------|--------|
| Luminaire | | Measur. | | Lamp | | |
| Code | 55-9336-34-Z5 | Code | LEDS020 | Code | TC-DSE 23W | |
| Name | BALIZAS | Name | BALIZAS | Number | 1 | |
| Line | Eulumdat | Date | 29-04-1994 | Position | | |
| Efficiency | 49.00% | Coordinate system | CG | Total Flux | 1500.00 lm | |
| Maximum value | 97.65 cd | Position | C=40.00 G=105.00 | Asymmetrical | | |
| Rectangular Luminaire | Length | 170 mm | Width | 170 mm | Height | 900 mm |
| Rectangular Luminous Area | Length | 90 mm | Width | 90 mm | Height | 0 mm |
| Horizontal Luminous Area | 0.008100 m2 | Emitting area on Plane 180° | | 0.000000 m2 | | |
| Emitting area on Plane 0° | 0.000000 m2 | Emitting area on Plane 270° | | 0.000000 m2 | | |
| Emitting area on Plane 90° | 0.000000 m2 | Glare area at 76° | | 0.001960 m2 | | |
| Symmetry Type | Asymmetrical | Maximum Gamma Angle | | 180 | | |
| Measurement Distance | 0.00 | Measurement Flux | | 1500.00 lm | | |
| Operator | | Source voltage | | | | |
| Temperature | 25.00 °C | Source current | | | | |
| Humidity | 60.00 % | Photocell | | | | |
| Notes | | | | | | |

| Luminaire Lamps | | | | | | |
|-----------------|---------------|------------|-----------|----------|------|-------|
| Line | Code | Name | Flux [lm] | Pow. [W] | Q.ty | |
| Eulumdat | TC-DSE 23W | TC-DSE 23W | 1500.00 | 0.00 | 1 | |
| C.I.E. | 2 24 58 44 49 | D DIN 5040 | | | | |
| F UTE | -- | B NBN | | | | |
| | | C12 | | | | BZ 10 |

170mm x 170mm



C Halfplanes

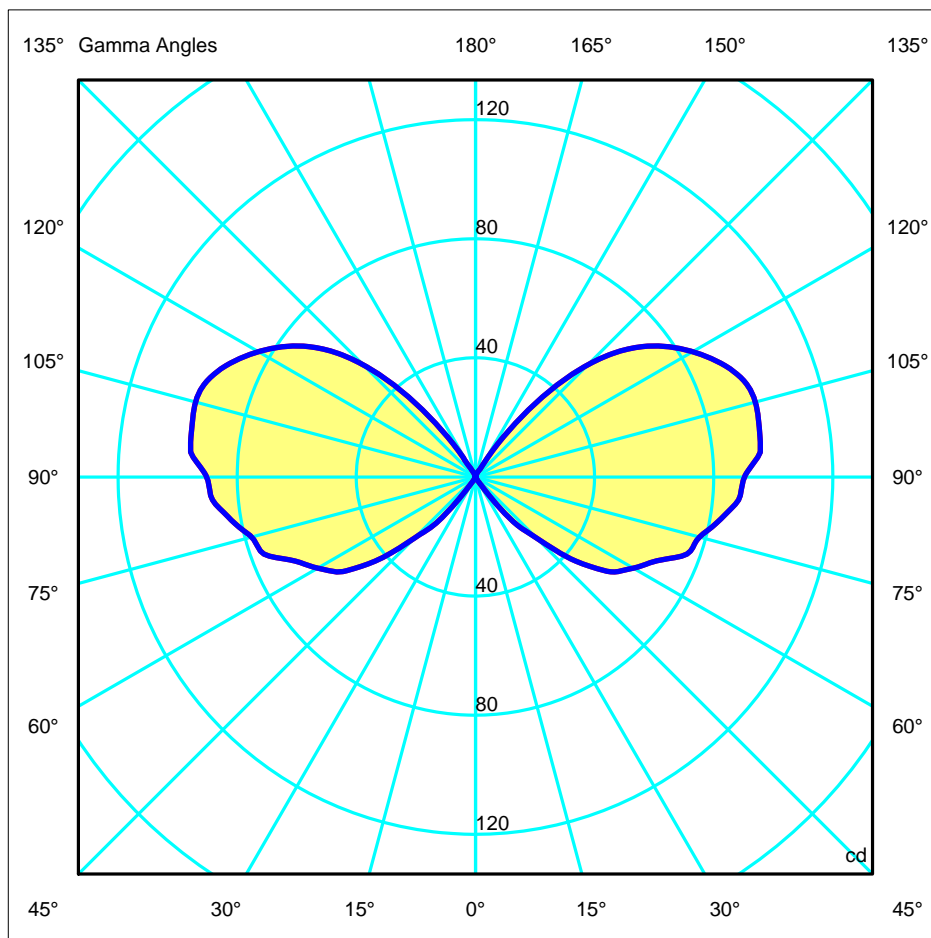
180.0 — 0.0 (Red line)

270.0 — 90.0 (Blue line)

ULOR 27.44 %

DLOR 21.56 %

RN 56.00 %



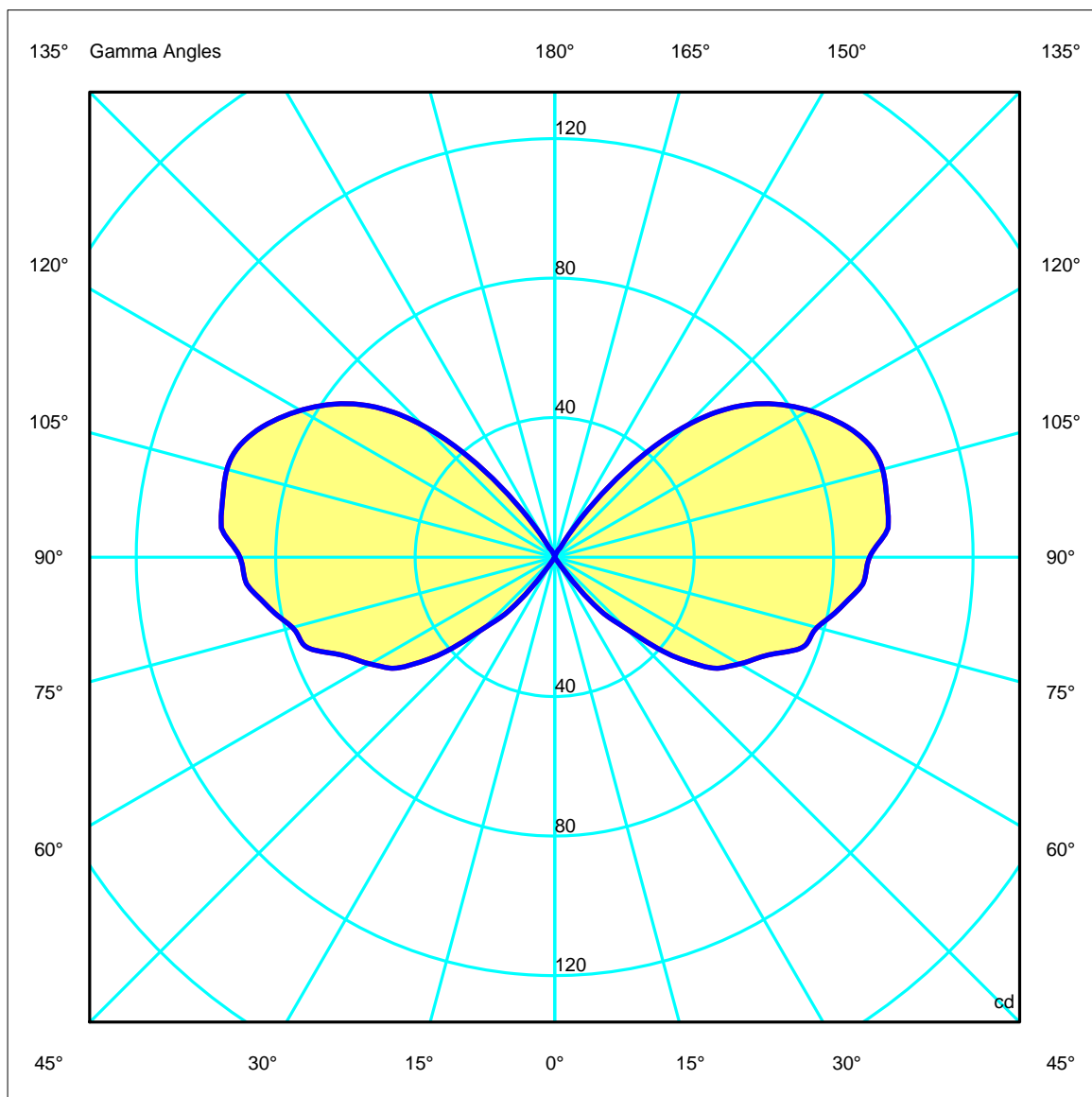
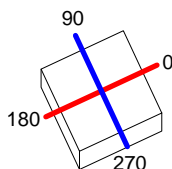
| | | | | | |
|------------------|---------------|-------------------|------------|-------------|------------|
| Luminaire | | Measur. | | Lamp | |
| Code | 55-9336-34-Z5 | Code | LEDS020 | Code | TC-DSE 23W |
| Name | BALIZAS | Name | BALIZAS | Number | 1 |
| Line | Eulumdat | Date | 29-04-1994 | Position | |
| Efficiency | 49.00% | Coordinate system | CG | Total Flux | 1500.00 lm |

170mm x 170mm

C Halfplanes

180.0 ————— 0.0

270.0 ————— 90.0



| | | | | | |
|------------------|---------------|------------------|------------|-------------|------------|
| Luminaire | | Measurem. | | Lamp | |
| Code | 55-9336-34-Z5 | Code | LEDS020 | Code | TC-DSE 23W |
| Name | BALIZAS | Name | BALIZAS | Number | 1 |
| Line | Eulmdat | Date | 29-04-1994 | Position | |

| | | | | | |
|------------|--------|-------------------|----|------------|------------|
| Efficiency | 49.00% | Coordinate system | CG | Total Flux | 1500.00 lm |
|------------|--------|-------------------|----|------------|------------|

Left beam angle not found, gamma = -75

Luminaire
 Code 55-9336-34-Z5
 Name BALIZAS
 Line Eulumdat

Measur.
 Code LEDS020
 Name BALIZAS
 Date 29-04-1994

Lamp
 Code TC-DSE 23W
 Number 1
 Position

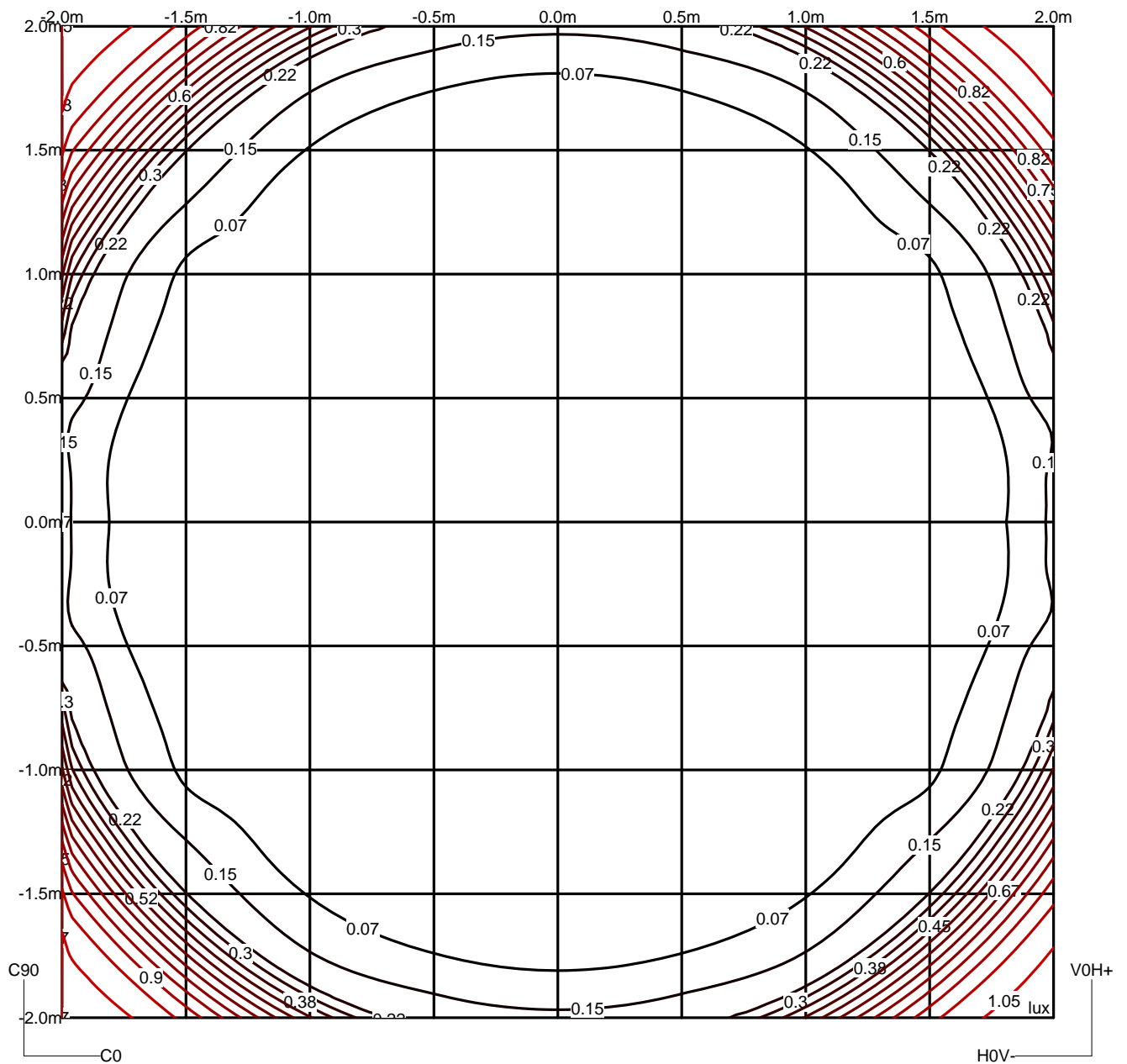
Efficiency 49.00%

Coordinate system CG

Total Flux 1500.00 lm

Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=3.00m



Luminaire
 Code 55-9336-34-Z5
 Name BALIZAS
 Line Eulumdat

Measur.
 Code LEDSO20
 Name BALIZAS
 Date 29-04-1994

Lamp
 Code TC-DSE 23W
 Number 1
 Position

Efficiency 49.00%

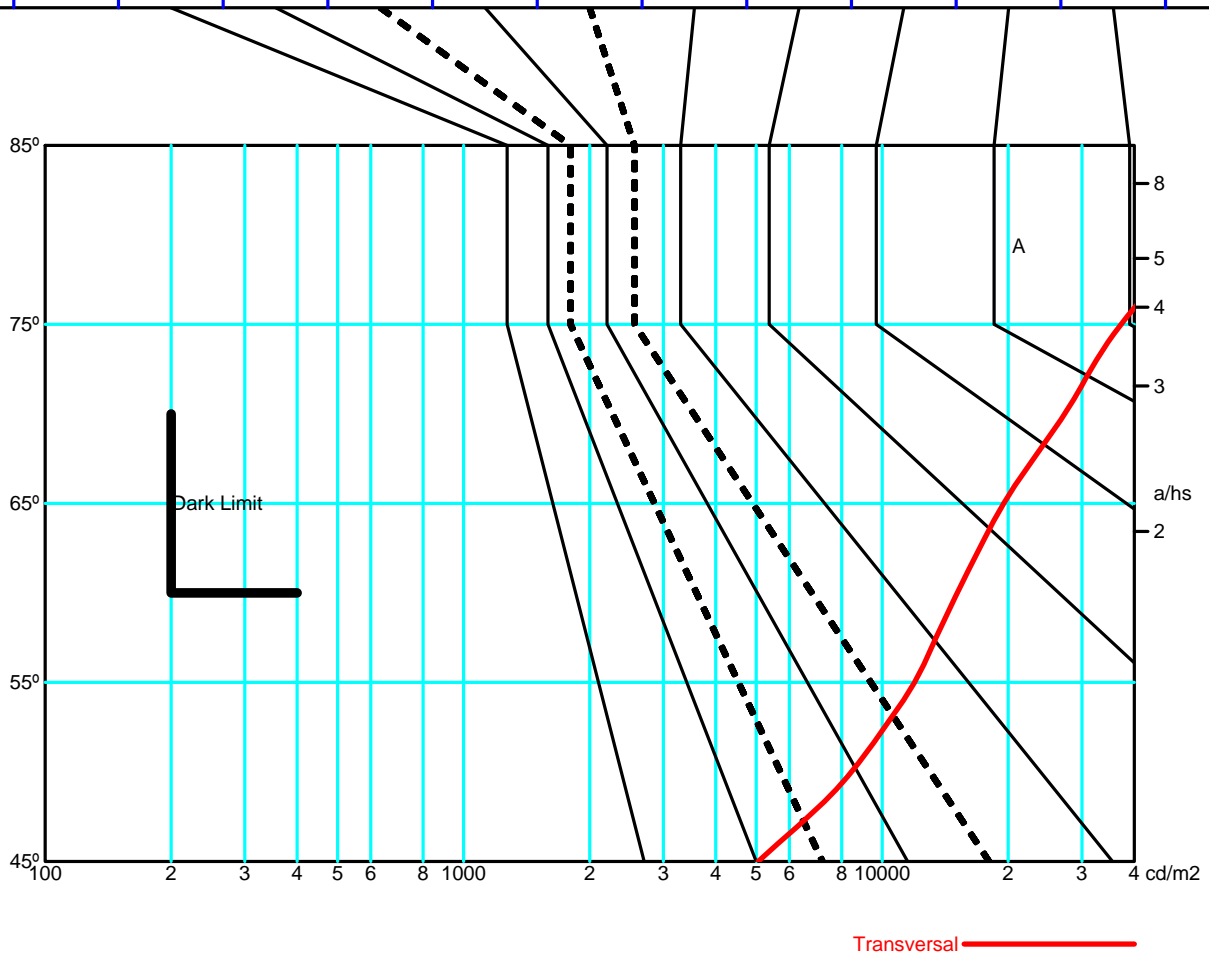
Coordinate system CG

Total Flux 1500.00 lm

Average Luminance [cd/m²]

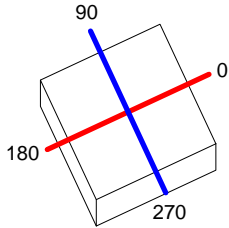
| | | | | | | | | | | |
|------|------|-------|-------|-------|-------|-------|-------|--------|-----|-----|
| 0.0° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | --- |
| 5055 | 8441 | 11946 | 15111 | 19499 | 27289 | 37134 | 59187 | 125573 | | |

| Flush mounted or longitudinal view | | | | | | | | | | | | |
|------------------------------------|---|------------------|------|------|------|-----|------|------|------|------|------|------|
| | | Illumination(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 | | Measur. | | Lamp | |
| Code | 55-9336-34-Z5 | Code | LEDS020 | Code | TC-DSE 23W |
| Name | BALIZAS | Name | BALIZAS | Number | 1 |
| Line | Eulumdat | Date | 29-04-1994 | Position | |
| Efficiency | 49.00% | Coordinate system | CG | Total Flux | 1500.00 lm |

170mm x 170mm



C Halfplanes



| | | | | | |
|------------------|---------------|-------------------|------------|-------------|------------|
| Luminaire | | Measur. | | Lamp | |
| Code | 55-9336-34-Z5 | Code | LEDS020 | Code | TC-DSE 23W |
| Name | BALIZAS | Name | BALIZAS | Number | 1 |
| Line | Eulumdat | Date | 29-04-1994 | Position | |
| Efficiency | 49.00% | Coordinate system | CG | Total Flux | 1500.00 lm |

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 | 17.6 | 18.6 | 18.6 | 19.6 | 21.0 | 17.6 | 18.6 | 18.6 | 19.6 | 21.0 |
| x=2H y=3H | 22.1 | 23.0 | 23.0 | 24.0 | 25.3 | 22.1 | 23.0 | 23.0 | 24.0 | 25.3 |
| x=2H y=4H | 24.4 | 25.2 | 25.3 | 26.3 | 27.6 | 24.4 | 25.2 | 25.3 | 26.3 | 27.6 |
| x=2H y=6H | 26.9 | 27.7 | 27.9 | 28.7 | 30.0 | 26.9 | 27.7 | 27.9 | 28.7 | 30.0 |
| x=2H y=8H | 28.3 | 29.1 | 29.3 | 30.1 | 31.5 | 28.3 | 29.1 | 29.3 | 30.1 | 31.5 |
| x=2H y=12H | 29.9 | 30.6 | 30.9 | 31.7 | 33.0 | 29.9 | 30.6 | 30.9 | 31.7 | 33.0 |
| x=4H y=2H | 19.2 | 20.0 | 20.2 | 21.1 | 22.4 | 19.2 | 20.1 | 20.2 | 21.1 | 22.4 |
| x=4H y=3H | 23.5 | 24.3 | 24.5 | 25.3 | 26.7 | 23.5 | 24.3 | 24.5 | 25.3 | 26.7 |
| x=4H y=4H | 25.8 | 26.5 | 26.9 | 27.6 | 29.0 | 25.8 | 26.5 | 26.9 | 27.6 | 29.0 |
| x=4H y=6H | 28.5 | 29.1 | 29.5 | 30.1 | 31.6 | 28.5 | 29.1 | 29.5 | 30.1 | 31.6 |
| x=4H y=8H | 30.0 | 30.5 | 31.0 | 31.6 | 33.0 | 30.0 | 30.5 | 31.0 | 31.6 | 33.0 |
| x=4H y=12H | 31.6 | 32.1 | 32.7 | 33.2 | 34.6 | 31.6 | 32.1 | 32.7 | 33.2 | 34.6 |
| x=8H y=4H | 26.8 | 27.4 | 27.9 | 28.5 | 29.9 | 26.8 | 27.4 | 27.9 | 28.5 | 29.9 |
| x=8H y=6H | 29.6 | 30.1 | 30.7 | 31.2 | 32.6 | 29.6 | 30.1 | 30.7 | 31.2 | 32.6 |
| x=8H y=8H | 31.3 | 31.7 | 32.3 | 32.8 | 34.2 | 31.3 | 31.7 | 32.3 | 32.8 | 34.2 |
| x=8H y=12H | 33.1 | 33.5 | 34.2 | 34.6 | 36.1 | 33.1 | 33.5 | 34.2 | 34.6 | 36.1 |
| x=12H y=4H | 27.1 | 27.6 | 28.2 | 28.7 | 30.1 | 27.1 | 27.6 | 28.2 | 28.7 | 30.1 |
| x=12H y=6H | 30.1 | 30.5 | 31.1 | 31.6 | 33.0 | 30.1 | 30.5 | 31.1 | 31.6 | 33.0 |
| x=12H y=8H | 31.8 | 32.2 | 32.9 | 33.3 | 34.7 | 31.8 | 32.2 | 32.9 | 33.3 | 34.7 |

| | | |
|--------------------|-----------------|-----------------|
| Luminaire | Measur. | Lamp |
| Code 55-9336-34-Z5 | Code LEDS020 | Code TC-DSE 23W |
| Name BALIZAS | Name BALIZAS | Number 1 |
| Line Eulumdat | Date 29-04-1994 | Position |

| | | |
|-------------------|----------------------|-----------------------|
| Efficiency 49.00% | Coordinate system CG | Total Flux 1500.00 lm |
|-------------------|----------------------|-----------------------|

Total Flux=1500.00 Luminaire Flux=735.02

| | | | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|------|-------|-------|
| | 0.60 | 0.80 | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 | 10.00 | 20.00 |
| RI | 0.00 | 0.04 | 0.08 | 0.13 | 0.17 | 0.26 | 0.32 | 0.38 | 0.46 | 0.53 | 0.69 | 0.81 |
| DRR | - | - | - | - | - | - | - | - | - | - | - | - |
| RC | - | - | - | - | - | - | - | - | - | - | - | - |

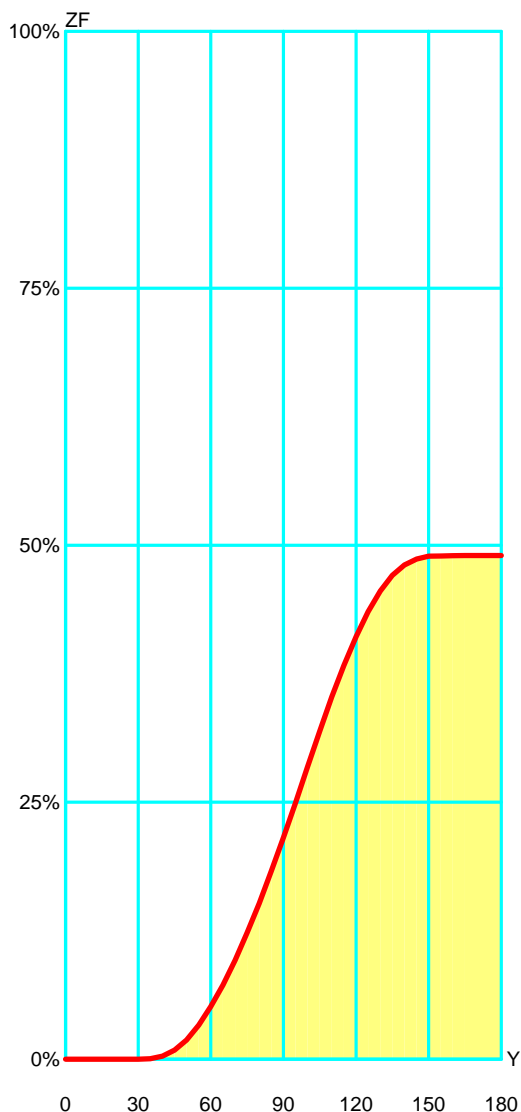
Zonal Flux per 1000 Lumen

| | | | | | | | | | | | | | | | | | | |
|-------|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 |
| Y° | 0 | 0 | 0 | 3 | 19 | 51 | 96 | 152 | 216 | 285 | 352 | 411 | 455 | 481 | 489 | 490 | 490 | 490 |
| ZF(Y) | | | | | | | | | | | | | | | | | | |

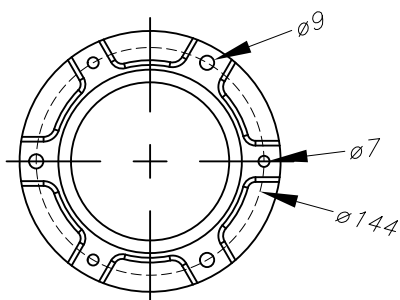
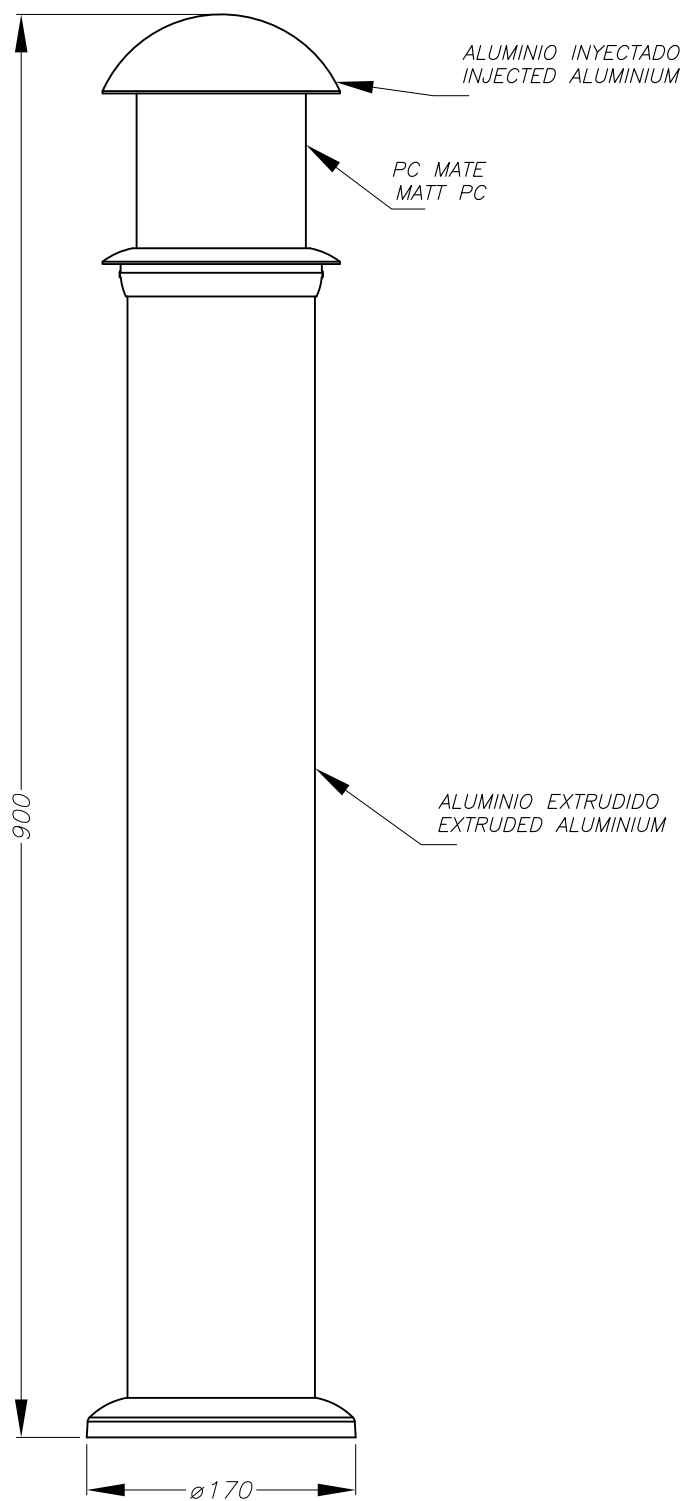
CIE Flux Codes

2 24 58 44 49

| | | | |
|------------|---------------------|------|-------------|
| C.I.E. | -/-/-/-/-/-/-/-/-/- | LOR | 49.00158 % |
| D DIN 5040 | C12 | ULOR | 27.43984 % |
| F UTE | -- | DLOR | 21.56174 % |
| B NBN | BZ 10 | UFF | 55.99787 % |
| RN | 55.99787 % | DFF | 44.00213 % |
| BLF | 1.0 | FFR | 127.26172 % |



| Zonal Flux | | | | |
|------------|-------|--------|----------|----------|
| Gamma ° | Flux | Sum lm | Flux [%] | Sum [%] |
| 0° | 0.00 | 0.00 | 0.00 % | 0.00 % |
| 5° | 0.00 | 0.00 | 0.00 % | 0.00 % |
| 10° | 0.00 | 0.00 | 0.00 % | 0.00 % |
| 15° | 0.00 | 0.00 | 0.00 % | 0.00 % |
| 20° | 0.00 | 0.00 | 0.00 % | 0.00 % |
| 25° | 0.04 | 0.04 | 0.01 % | 0.01 % |
| 30° | 0.03 | 0.07 | 0.01 % | 0.02 % |
| 35° | 0.36 | 0.43 | 0.07 % | 0.09 % |
| 40° | 2.50 | 2.93 | 0.51 % | 0.60 % |
| 45° | 5.96 | 8.89 | 1.22 % | 1.81 % |
| 50° | 9.85 | 18.74 | 2.01 % | 3.83 % |
| 55° | 14.51 | 33.25 | 2.96 % | 6.79 % |
| 60° | 18.05 | 51.30 | 3.68 % | 10.47 % |
| 65° | 20.78 | 72.08 | 4.24 % | 14.71 % |
| 70° | 24.10 | 96.19 | 4.92 % | 19.63 % |
| 75° | 26.79 | 122.98 | 5.47 % | 25.10 % |
| 80° | 28.76 | 151.75 | 5.87 % | 30.97 % |
| 85° | 31.19 | 182.93 | 6.36 % | 37.33 % |
| 90° | 32.68 | 215.62 | 6.67 % | 44.00 % |
| 95° | 34.02 | 249.64 | 6.94 % | 50.95 % |
| 100° | 34.97 | 284.61 | 7.14 % | 58.08 % |
| 105° | 34.67 | 319.27 | 7.07 % | 65.16 % |
| 110° | 33.19 | 352.46 | 6.77 % | 71.93 % |
| 115° | 30.77 | 383.23 | 6.28 % | 78.21 % |
| 120° | 27.81 | 411.04 | 5.67 % | 83.88 % |
| 125° | 24.28 | 435.33 | 4.96 % | 88.84 % |
| 130° | 20.11 | 455.43 | 4.10 % | 92.94 % |
| 135° | 15.26 | 470.70 | 3.11 % | 96.06 % |
| 140° | 10.06 | 480.76 | 2.05 % | 98.11 % |
| 145° | 5.81 | 486.57 | 1.19 % | 99.30 % |
| 150° | 2.83 | 489.40 | 0.58 % | 99.87 % |
| 155° | 0.21 | 489.60 | 0.04 % | 99.92 % |
| 160° | 0.21 | 489.81 | 0.04 % | 99.96 % |
| 165° | 0.21 | 490.02 | 0.04 % | 100.00 % |
| 170° | 0.00 | 490.02 | 0.00 % | 100.00 % |
| 175° | 0.00 | 490.02 | 0.00 % | 100.00 % |
| 180° | 0.00 | 490.02 | 0.00 % | 100.00 % |



PLANTILLA DE INSTALACIÓN
INSTALLATION TEMPLATE

