

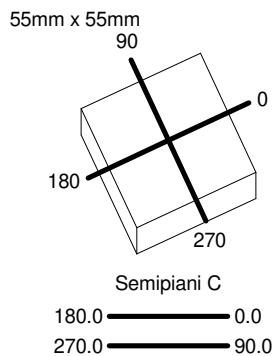
## Luminaire

Code KZ81104+AP91200  
 Name kata metron pst pnd 2x55 Dali 930 FL nro + Lens for Elliptical emission

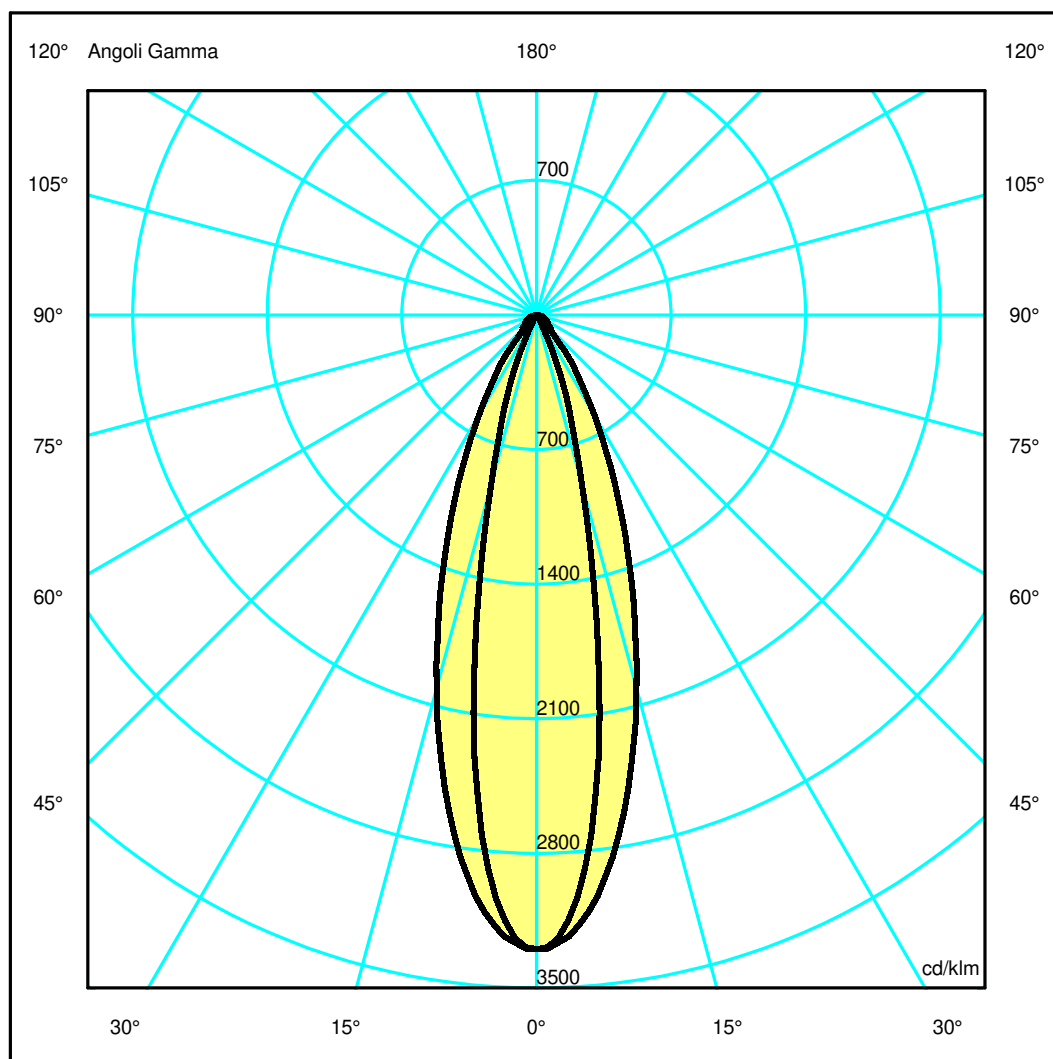
## Measurement

Code FTS2400377.  
 Name kata metron pst pnd 2x55 Dali 930 FL nro + Lens for Elliptical emission

|  |   |   |   |               |               |            |                    |
|--|---|---|---|---------------|---------------|------------|--------------------|
| Luminaire Flux   | 1275 lm                                   | Luminaire Power   | 20.0 W                                    | Efficacy      | 63.750 lm/W   | Efficiency | 100.00%            |
| Source Flux  | 1275 lm                                   | Maximum value   | 3297.87 cd/klm                            | Position      | C=0.00 G=0.00 | CG         | Double Symmetrical |
| Rectangular Luminaire<br>Round Luminous Area   | Length<br>Diam.                           | 55 mm<br>48 mm  | Width<br>Height                           | 55 mm<br>0 mm | Height        | 130 mm     |                    |
| Horizontal Luminous Area<br>Emitting area on Plane 0°<br>Emitting area on Plane 90°                            | 0.001810 m2<br>0.000000 m2<br>0.000000 m2 | Emitting area on Plane 180°<br>Emitting area on Plane 270°<br>Glare area at 76° | 0.000000 m2<br>0.000000 m2<br>0.000438 m2 |               |               |            |                    |
| Coordinate system  | CG  | Symmetry Type   | Double Symmetrical                        |               |               |            |                    |
| Date   | 20-06-2024                                | Maximum Gamma Angle   | 180                                       |               |               |            |                    |
| Measurement Distance   | 0.00                                      | Measurement Flux  | 1275 lm                                   |               |               |            |                    |
| LED Flux=2539lm LED Power=18W Eff=50% EfcLed=145lm/W EfcLum=64lm/W CCT=3000K Ra=90 R9=50 SDCM=3 L70(9k)=50000h |   |   |   |               |               |            |                    |
| C.I.E.   | 94 98 99 100 100                          | D DIN 5040  | A60                                       |               |               |            |                    |
| F UTE  | 1.00 A                                    | B NBN   | BZ 1                                      |               |               |            |                    |



ULOR 0.00 %  
 DLOR 100.00 %  
 RN 0.00 %



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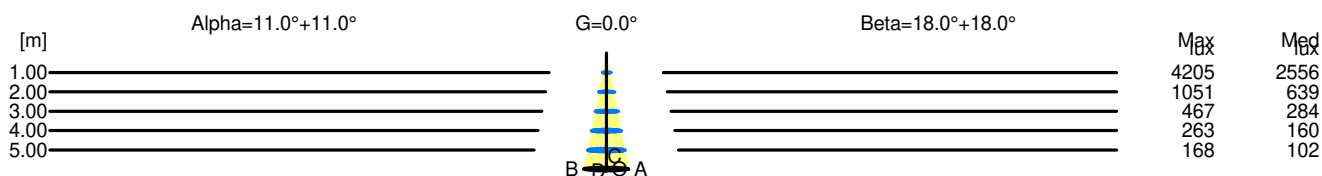
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| Source Flux  | 1275 lm                                   | Maximum value   | 3297.87 cd/klm                            | Position      | C=0.00 G=0.00 | CG         | Double Symmetrical |
| Rectangular Luminaire<br>Round Luminous Area   | Length<br>Diam.                           | 55 mm<br>48 mm  | Width<br>Height                           | 55 mm<br>0 mm | Height        | 130 mm     |                    |
| Horizontal Luminous Area<br>Emitting area on Plane 0°<br>Emitting area on Plane 90°                            | 0.001810 m2<br>0.000000 m2<br>0.000000 m2 | Emitting area on Plane 180°<br>Emitting area on Plane 270°<br>Glare area at 76° | 0.000000 m2<br>0.000000 m2<br>0.000438 m2 |               |               |            |                    |
| Coordinate system<br>Date<br>Measurement Distance  | CG<br>20-06-2024<br>0.00                  | Symmetry Type<br>Maximum Gamma Angle<br>Measurement Flux                        | Double Symmetrical<br>180<br>1275 lm      |               |               |            |                    |
| LED Flux=2539lm LED Power=18W Eff=50% EfcLed=145lm/W EfcLum=64lm/W CCT=3000K Ra=90 R9=50 SDCM=3 L70(9k)=50000h |   |   |   |               |               |            |                    |
| C.I.E.<br>F UTE  | 94 98 99 100 100<br>1.00 A                | D DIN 5040<br>B NBN   | A60<br>BZ 1                               |               |               |            |                    |

### 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   | 0.19 | 0.39 | 0.58 | 0.78 | 0.97 | OC   | 0.32 | 0.65 | 0.97 | 1.30 | 1.62 |
| OB   | 0.19 | 0.39 | 0.58 | 0.78 | 0.97 | OD   | 0.32 | 0.65 | 0.97 | 1.30 | 1.62 |

|    |                                 |         |         |         |        |        |       |       |       |      |
|----|---------------------------------|---------|---------|---------|--------|--------|-------|-------|-------|------|
|    | Luminous Intensities [ cd/klm ] |         |         |         |        |        |       |       |       |      |
|    | 0                               | 5       | 15      | 25      | 35     | 45     | 55    | 65    | 75    | 85   |
| OA | 4204.78                         | 3685.13 | 1166.91 | 186.16  | 32.00  | 13.94  | 8.65  | 6.09  | 4.53  | 1.32 |
| OB | 4204.78                         | 3685.13 | 1166.91 | 186.16  | 32.00  | 13.94  | 8.65  | 6.09  | 4.53  | 1.32 |
| OC | 4204.78                         | 3970.91 | 2557.67 | 1223.90 | 446.43 | 123.13 | 93.88 | 61.73 | 40.04 | 9.27 |
| OD | 4204.78                         | 3970.91 | 2557.67 | 1223.90 | 446.43 | 123.13 | 93.88 | 61.73 | 40.04 | 9.27 |



| H[m] | D[m] | Max lux | Med lux | Alpha=11.0°+11.0° | G=0.0 |
|------|------|---------|---------|-------------------|-------|
| 1.00 | 0.39 | 4205    | 2556    |                   |       |
| 2.00 | 0.78 | 1051    | 639     |                   |       |
| 3.00 | 1.17 | 467     | 284     |                   |       |
| 4.00 | 1.56 | 263     | 160     |                   |       |
| 5.00 | 1.94 | 168     | 102     |                   |       |

| H[m] | D[m] | Max lux | Med lux | Beta=18.0°+18.0° | G=0.0 |
|------|------|---------|---------|------------------|-------|
| 1.00 | 0.65 | 4205    | 2556    |                  |       |
| 2.00 | 1.30 | 1051    | 639     |                  |       |
| 3.00 | 1.95 | 467     | 284     |                  |       |
| 4.00 | 2.60 | 263     | 160     |                  |       |
| 5.00 | 3.25 | 168     | 102     |                  |       |