

## Luminaire

Code AX08004  
Name HELGOLAND 90 ADJ 2700K FL NRO

## Measurement

Code FTS2500109.  
Name HELGOLAND 90 ADJ 2700K FL NRO

|  |                   |                 |                |                             |               |                 |                 |
|--|-------------------|-----------------|----------------|-----------------------------|---------------|-----------------|-----------------|
| Luminaire Flux   | 712 lm            | Luminaire Power | 6.0 W          | Efficacy                    | 118.667 lm/W  | Efficiency      | 100.00%         |
| Source Flux  | 712 lm            | Maximum value   | 3347.51 cd/klm | Position                    | C=0.00 G=0.00 | CG              | Rotosymmetrical |
| Round Luminaire  |                   | Diam.           | 90 mm          | Height                      | 12 mm         |                 |                 |
| Round Luminous Area  |                   | Diam.           | 64 mm          | Height                      | 0 mm          |                 |                 |
| Horizontal Luminous Area   |                   | 0.003217 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°           |               | 0.000778 m2     |                 |
| Coordinate system  |                   | CG              |                | Symmetry Type               |               | Rotosymmetrical |                 |
| Date   |                   | 03-12-2024      |                | Maximum Gamma Angle         |               | 180             |                 |
| Measurement Distance   |                   | 0.00            |                | Measurement Flux            |               | 712 lm          |                 |
| LED Flux=1019lm LED Power=6W Eff=70% EfcLed=170lm/W EfcLum=119lm/W CCT=2700K Ra=90 R9=50 SDCM=3 L70(17k)=102000h |                   |                 |                |                             |               |                 |                 |
| C.I.E.   | 97 99 100 100 100 |                 |                | D DIN 5040                  |               | A60             |                 |
| F UTE  | --                |                 |                | B NBN                       |               | BZ 1            |                 |

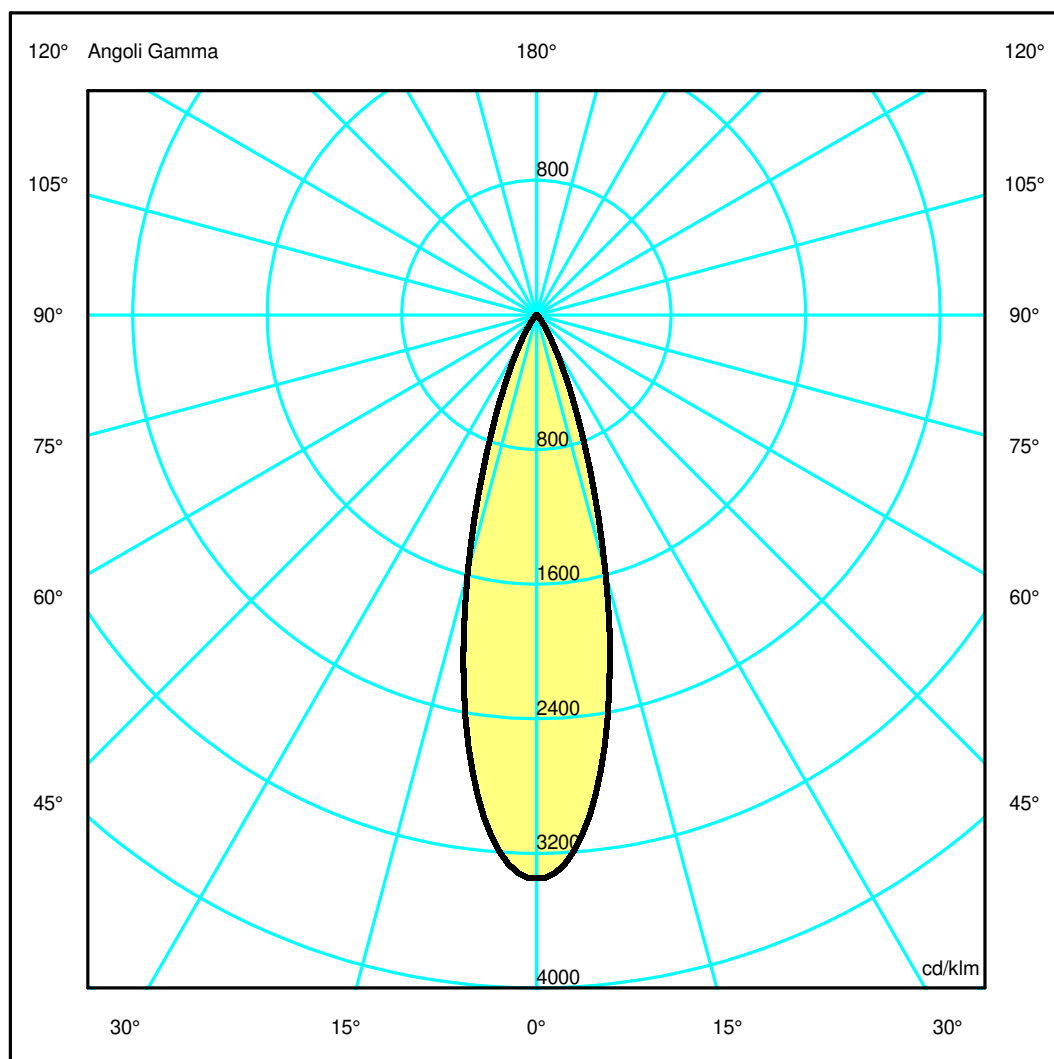
Diam=90mm



Semipiani C

180.0 ——— 0.0

ULOR 0.00 %  
DLOR 100.00 %  
RN 0.00 %



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## Measurem.

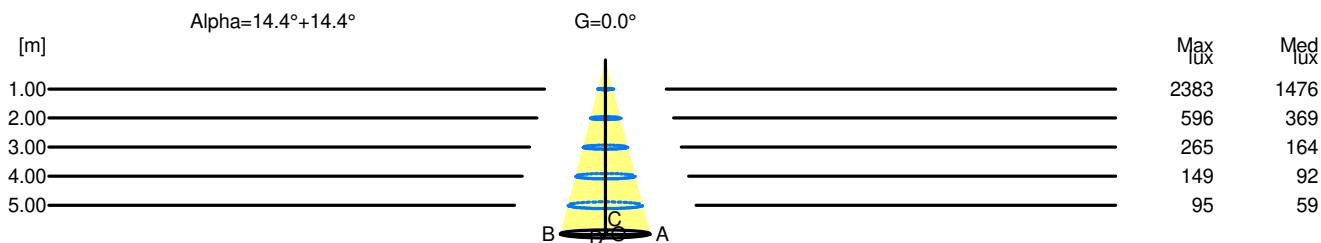
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Width at 50.00 % of Max Intensity

|      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|
| 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   | 0.26 | 0.52 | 0.77 | 1.03 | 1.29 | OC   | 0.26 | 0.52 | 0.77 | 1.03 | 1.29 |
| OB   | 0.26 | 0.52 | 0.77 | 1.03 | 1.29 | OD   | 0.26 | 0.52 | 0.77 | 1.03 | 1.29 |

|    |                                |         |         |        |       |       |      |      |      |      |
|----|--------------------------------|---------|---------|--------|-------|-------|------|------|------|------|
|    | Luminous Intensities [ cd/klm] |         |         |        |       |       |      |      |      |      |
|    | 0                              | 5       | 15      | 25     | 35    | 45    | 55   | 65   | 75   | 85   |
| OA | 2383.43                        | 2209.39 | 1125.20 | 301.64 | 62.59 | 14.64 | 6.91 | 3.78 | 1.31 | 0.23 |
| OB | 2383.43                        | 2209.39 | 1125.20 | 301.64 | 62.59 | 14.64 | 6.91 | 3.78 | 1.31 | 0.23 |
| OC | 2383.43                        | 2209.39 | 1125.20 | 301.64 | 62.59 | 14.64 | 6.91 | 3.78 | 1.31 | 0.23 |
| OD | 2383.43                        | 2209.39 | 1125.20 | 301.64 | 62.59 | 14.64 | 6.91 | 3.78 | 1.31 | 0.23 |



| H[m] | D[m] | Max lux | Med lux | Alpha=14.4°+14.4° | G=0.0 |
|------|------|---------|---------|-------------------|-------|
| 1.00 | 0.52 | 2383    | 1476    |                   |       |
| 2.00 | 1.03 | 596     | 369     |                   |       |
| 3.00 | 1.55 | 265     | 164     |                   |       |
| 4.00 | 2.06 | 149     | 92      |                   |       |
| 5.00 | 2.58 | 95      | 59      |                   |       |