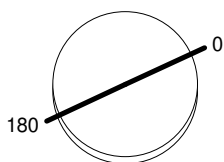


## Luminaire

Code AX07811  
Name HELGOLAND 90 ADJ 2700K XF BCO/BCO  
**Measurement.**  
Code FTS2600045.  
Name HELGOLAND 90 ADJ 2700K XF BCO/BCO

|  |                  |                 |                |                             |               |                 |                 |
|--|------------------|-----------------|----------------|-----------------------------|---------------|-----------------|-----------------|
| Luminaire Flux   | 892 lm           | Luminaire Power | 6.0 W          | Efficacy                    | 148.667 lm/W  | Efficiency      | 100.00%         |
| Source Flux  | 892 lm           | Maximum value   | 1138.26 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   |                  | 03-04-2025      |                | Maximum Gamma Angle         |               | 180             |                 |
| Measurement Distance   |                  | 0.00            |                | Measurement Flux            |               | 892 lm          |                 |
| LED Flux=1019lm LED Power=6W Eff=87% EfcLed=170lm/W EfcLum=149lm/W CCT=2700K Ra=90 R9=50 SDCM=3 L70(17k)=102000h |                  |                 |                |                             |               |                 |                 |
| C.I.E.   | 91 96 99 100 100 |                 |                | D DIN 5040                  | A60           |                 |                 |
| F UTE  | 1.00 A           |                 |                | B NBN                       | BZ 1          |                 |                 |

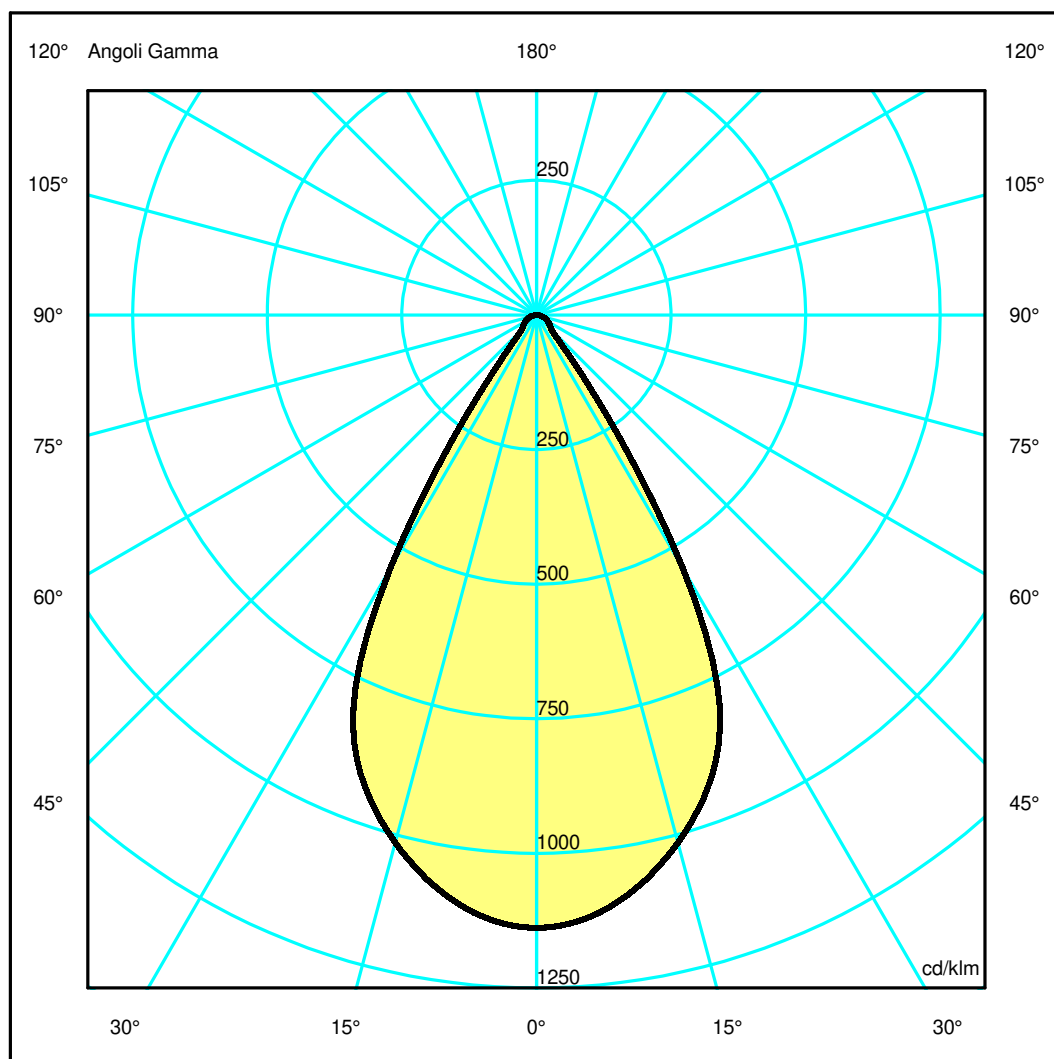
Diam=90mm



Semipiani C

180.0 ——— 0.0

ULOR 0.00 %  
DLOR100.00 %  
RN 0.00 %



## Luminaire

Code AX07811  
Name HELGOLAND 90 ADJ 2700K XF BCO/BCO

## Measurem.

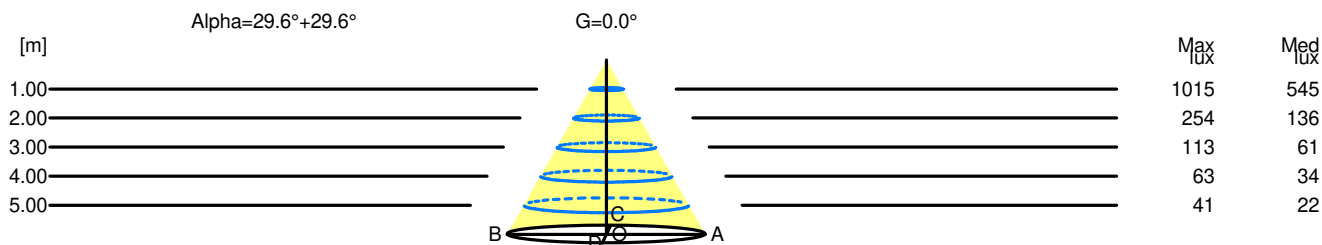
Code FTS2600045.  
Name HELGOLAND 90 ADJ 2700K XF BCO/BCO

|  |                  |                 |                |                             |               |                    |         |
|--|------------------|-----------------|----------------|-----------------------------|---------------|--------------------|---------|
| Luminaire Flux   | 892 lm           | Luminaire Power | 6.0 W          | Efficacy                    | 148.667 lm/W  | Efficiency         | 100.00% |
| Source Flux  | 892 lm           | Maximum value   | 1138.26 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   |                  | 03-04-2025      |                | Maximum Gamma Angle         |               | 180                |         |
| Measurement Distance   |                  | 0.00            |                | Measurement Flux            |               | 892 lm             |         |
| LED Flux=1019lm LED Power=6W Eff=87% EfcLed=170lm/W EfcLum=149lm/W CCT=2700K Ra=90 R9=50 SDCM=3 L70(17k)=102000h |                  |                 |                |                             |               |                    |         |
| C.I.E.   | 91 96 99 100 100 |                 |                | D DIN 5040                  | A60           |                    |         |
| F UTE  | 1.00 A           |                 |                | B NBN                       | 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   | 0.57 | 1.14 | 1.70 | 2.27 | 2.84 | OC   | 0.57 | 1.14 | 1.70 | 2.27 | 2.84 |
| OB   | 0.57 | 1.14 | 1.70 | 2.27 | 2.84 | OD   | 0.57 | 1.14 | 1.70 | 2.27 | 2.84 |

|    |                                |         |        |        |        |       |       |       |       |      |
|----|--------------------------------|---------|--------|--------|--------|-------|-------|-------|-------|------|
|    | Luminous Intensities [ cd/klm] |         |        |        |        |       |       |       |       |      |
|    | 0                              | 5       | 15     | 25     | 35     | 45    | 55    | 65    | 75    | 85   |
| OA | 1015.33                        | 1001.26 | 905.05 | 718.36 | 203.33 | 35.80 | 25.86 | 18.43 | 10.93 | 3.12 |
| OB | 1015.33                        | 1001.26 | 905.05 | 718.36 | 203.33 | 35.80 | 25.86 | 18.43 | 10.93 | 3.12 |
| OC | 1015.33                        | 1001.26 | 905.05 | 718.36 | 203.33 | 35.80 | 25.86 | 18.43 | 10.93 | 3.12 |
| OD | 1015.33                        | 1001.26 | 905.05 | 718.36 | 203.33 | 35.80 | 25.86 | 18.43 | 10.93 | 3.12 |



| H[m] | D[m] | Max lux | Med lux | Alpha=29.6°+29.6° | G=0.0 |
|------|------|---------|---------|-------------------|-------|
| 1.00 | 1.14 | 1015    | 545     |                   |       |
| 2.00 | 2.27 | 254     | 136     |                   |       |
| 3.00 | 3.41 | 113     | 61      |                   |       |
| 4.00 | 4.54 | 63      | 34      |                   |       |
| 5.00 | 5.68 | 41      | 22      |                   |       |