

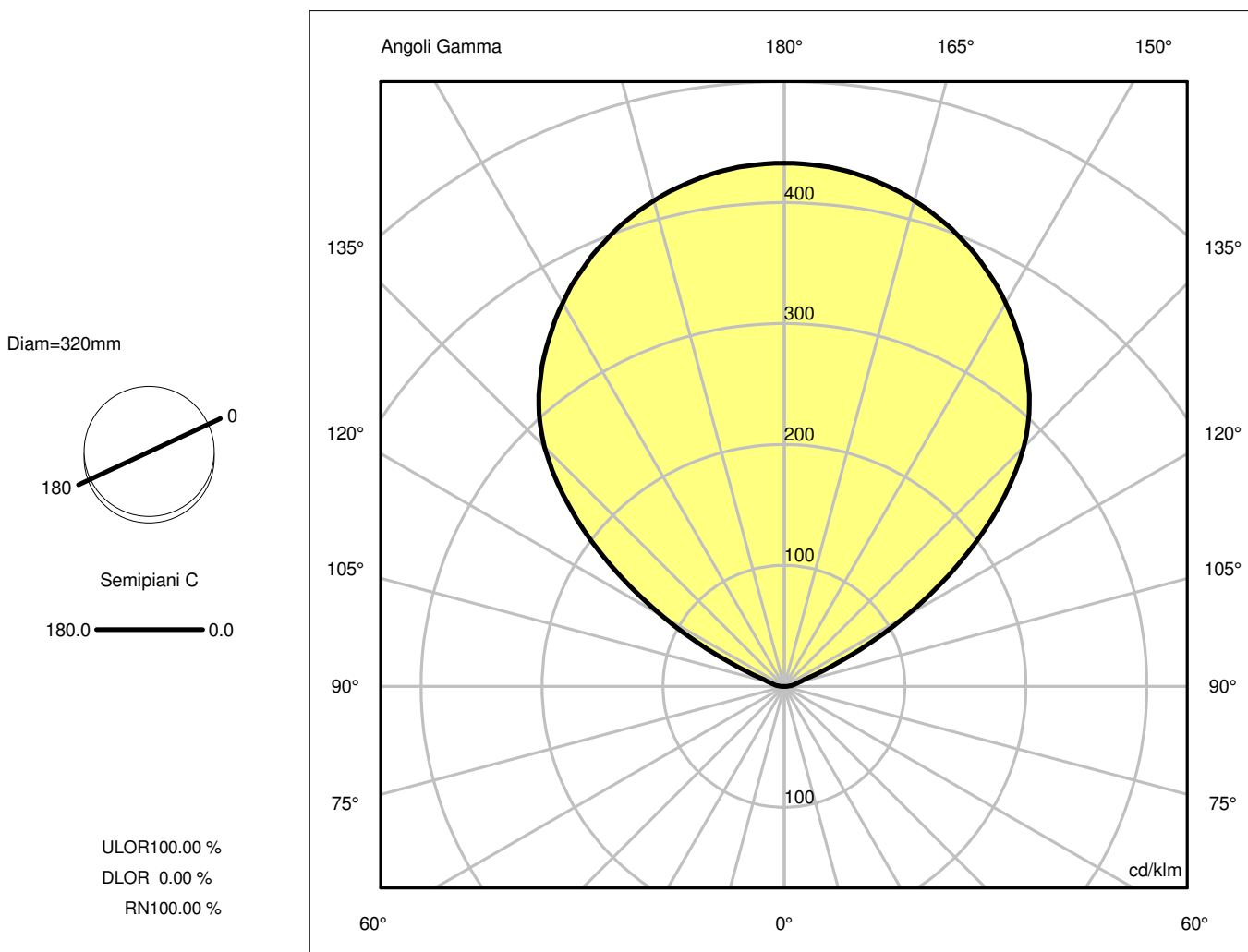
## Luminaire

Code 1833W35A  
Name ATHENA TERRA nero 2700K - USA

## Measurem.

Code FTS1701121  
Name ATHENA TERRA nero 2700K - USA

|                                                                                                 |                       |                                           |                 |                                                                                 |                 |                                           |                 |
|-------------------------------------------------------------------------------------------------|-----------------------|-------------------------------------------|-----------------|---------------------------------------------------------------------------------|-----------------|-------------------------------------------|-----------------|
| Luminaire Flux                                                                                  | 2940.61 lm            | Luminaire Power                           | 37.00 W         | Efficacy                                                                        | 79.48 lm/W      | Efficiency                                | 100.00%         |
| Lamps Flux                                                                                      | 2940.61 lm            | Maximum value                             | 432.87 cd/klm   | Position                                                                        | C=0.00 G=179.00 | CG                                        | Rotosymmetrical |
| Round Luminaire<br>Round Luminous Area                                                          |                       | Diam.<br>Diam.                            | 320 mm<br>20 mm | Height<br>Height                                                                | 1780 mm<br>0 mm |                                           |                 |
| Horizontal Luminous Area<br>Emitting area on Plane 0°<br>Emitting area on Plane 90°             |                       | 0.000314 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>0.000076 m2 |                 |
| Coordinate system<br>Date<br>Measurement Distance                                               |                       | CG<br>11-11-2015<br>0.00                  |                 | Symmetry Type<br>Maximum Gamma Angle<br>Measurement Flux                        |                 | Rotosymmetrical<br>180<br>2940.61 lm      |                 |
| LED Flux=3341,6lm LED Power=31W Eff=88% EfcLed=108lm/W EfcLum=79lm/W Ra=90 SDCM=2 L70(6K)=50000 |                       |                                           |                 |                                                                                 |                 |                                           |                 |
| C.I.E.<br>F UTE                                                                                 | 0 0 0 0 100<br>1.00 T |                                           |                 | D DIN 5040<br>B NBN                                                             | --<br>--        |                                           |                 |



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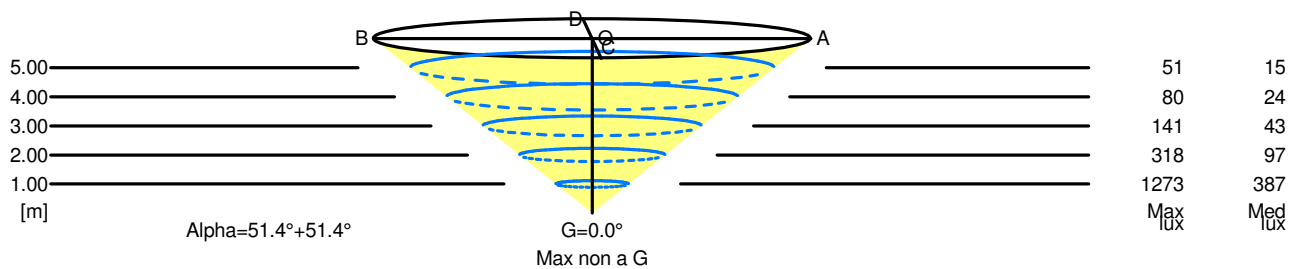
Code FTS1701121  
Name ATHENA TERRA nero 2700K - USA

|                                                                                                 |             |                 |               |                             |                 |            |                 |
|-------------------------------------------------------------------------------------------------|-------------|-----------------|---------------|-----------------------------|-----------------|------------|-----------------|
| Luminaire Flux                                                                                  | 2940.61 lm  | Luminaire Power | 37.00 W       | Efficacy                    | 79.48 lm/W      | Efficiency | 100.00%         |
| Lamps Flux                                                                                      | 2940.61 lm  | Maximum value   | 432.87 cd/klm | Position                    | C=0.00 G=179.00 | CG         | Rotosymmetrical |
| Round Luminaire                                                                                 |             | Diam.           | 320 mm        | Height                      | 1780 mm         |            |                 |
| Round Luminous Area                                                                             |             | Diam.           | 20 mm         | Height                      | 0 mm            |            |                 |
| Horizontal Luminous Area                                                                        | 0.000314 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°           | 0.000076 m2     |            |                 |
| Coordinate system                                                                               | CG          |                 |               | Symmetry Type               | Rotosymmetrical |            |                 |
| Date                                                                                            | 11-11-2015  |                 |               | Maximum Gamma Angle         | 180             |            |                 |
| Measurement Distance                                                                            | 0.00        |                 |               | Measurement Flux            | 2940.61 lm      |            |                 |
| LED Flux=3341,6lm LED Power=31W Eff=88% EfcLed=108lm/W EfcLum=79lm/W Ra=90 SDCM=2 L70(6K)=50000 |             |                 |               |                             |                 |            |                 |
| C.I.E.                                                                                          | 0 0 0 0 100 |                 |               | D DIN 5040                  | --              |            |                 |
| F UTE                                                                                           | 1.00 T      |                 |               | B NBN                       | --              |            |                 |

### 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   | 1.25 | 2.51 | 3.76 | 5.02 | 6.27 | OC   | 1.25 | 2.51 | 3.76 | 5.02 | 6.27 |
| OB   | 1.25 | 2.51 | 3.76 | 5.02 | 6.27 | OD   | 1.25 | 2.51 | 3.76 | 5.02 | 6.27 |

|    | Luminous Intensities [ cd/klm] |         |         |         |         |        |        |        |       |       |
|----|--------------------------------|---------|---------|---------|---------|--------|--------|--------|-------|-------|
|    | 0                              | 5       | 15      | 25      | 35      | 45     | 55     | 65     | 75    | 85    |
| OA | 1272.63                        | 1267.75 | 1222.86 | 1136.09 | 1007.49 | 823.58 | 516.10 | 177.15 | 36.01 | 10.36 |
| OB | 1272.63                        | 1267.75 | 1222.86 | 1136.09 | 1007.49 | 823.58 | 516.10 | 177.15 | 36.01 | 10.36 |
| OC | 1272.63                        | 1267.75 | 1222.86 | 1136.09 | 1007.49 | 823.58 | 516.10 | 177.15 | 36.01 | 10.36 |
| OD | 1272.63                        | 1267.75 | 1222.86 | 1136.09 | 1007.49 | 823.58 | 516.10 | 177.15 | 36.01 | 10.36 |



|      |       |         |         |                                           |
|------|-------|---------|---------|-------------------------------------------|
| 5.00 | 12.54 | 51      | 15      |                                           |
| 4.00 | 10.03 | 80      | 24      |                                           |
| 3.00 | 7.53  | 141     | 43      |                                           |
| 2.00 | 5.02  | 318     | 97      |                                           |
| 1.00 | 2.51  | 1273    | 387     |                                           |
| H[m] | D[m]  | Max lux | Med lux | Alpha=51.4°+51.4°<br>Max non a G<br>G=0.0 |