

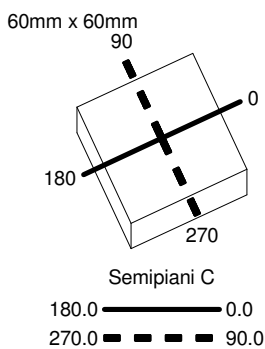
## Luminaire

Code NL31019VTK006  
Name Aria Micro 2W IP65 3000K bianco

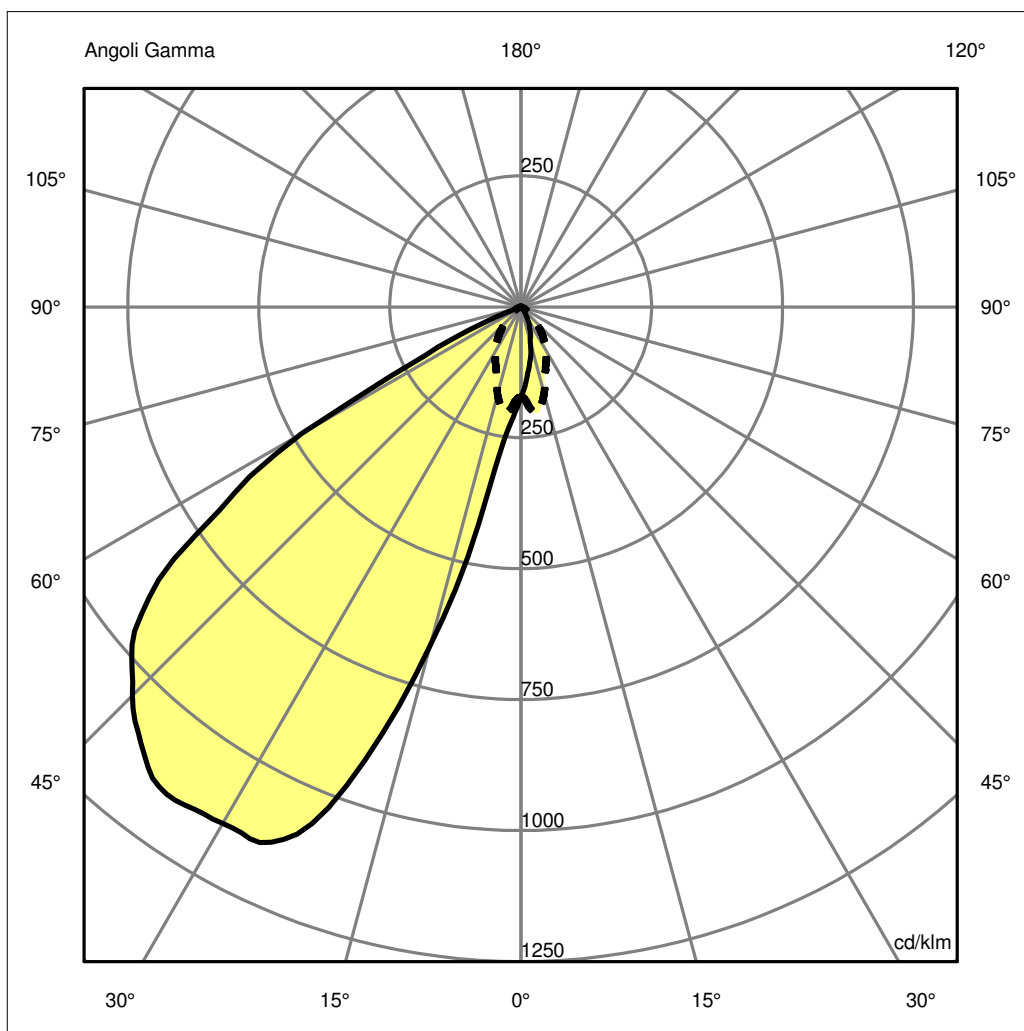
## Measurem.

Code FTS1400755  
Name Aria Micro 2W IP65 3000K bianco

|                                                                                                                                                                        |                   |                 |                |                             |                  |                      |                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------|----------------|-----------------------------|------------------|----------------------|----------------------|
| Luminaire Flux                                                                                                                                                         | 57.00 lm          | Luminaire Power | 2.70 W         | Efficacy                    | 21.11 lm/W       | Efficiency           | 100.00%              |
| Lamps Flux                                                                                                                                                             | 57.00 lm          | Maximum value   | 1181.80 cd/klm | Position                    | C=165.00 G=33.00 | CG                   | Sym. on planes 0-180 |
| Rectangular Luminaire                                                                                                                                                  |                   | Length          | 60 mm          | Width                       | 60 mm            | Height               | 26 mm                |
| Rectangular Luminous Area                                                                                                                                              |                   | Length          | 30 mm          | Width                       | 25 mm            | Height               | 0 mm                 |
| Horizontal Luminous Area                                                                                                                                               |                   | 0.000750 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°           |                  | 0.000181 m2          |                      |
| Coordinate system                                                                                                                                                      |                   | CG              |                | Symmetry Type               |                  | Sym. on planes 0-180 |                      |
| Date                                                                                                                                                                   |                   | 06-10-2014      |                | Maximum Gamma Angle         |                  | 90                   |                      |
| Measurement Distance                                                                                                                                                   |                   | 0.00            |                | Measurement Flux            |                  | 57.00 lm             |                      |
| 3000K - I <sub>max</sub> =174 cd/Klm - LED Flux=165 lm - LED Power=2.3 W - Eff=34 % - EfcLED=72 lm/W - EfcLum=21 lm/W<br>Ra=80 min - SDCM=4 - Life=L70(10K)>60,500 ore |                   |                 |                |                             |                  |                      |                      |
| C.I.E.                                                                                                                                                                 | 53 95 100 100 100 |                 |                | D DIN 5040                  | A40              |                      |                      |
| F UTE                                                                                                                                                                  | 1.00 D            |                 |                | B NBN                       | BZ 4 / 1 / BZ 3  |                      |                      |



ULOR 0.00 %  
DLOR100.00 %  
RN 0.00 %



## Luminaire

Code NL31019VTK006  
Name Aria Micro 2W IP65 3000K bianco

## Measurment

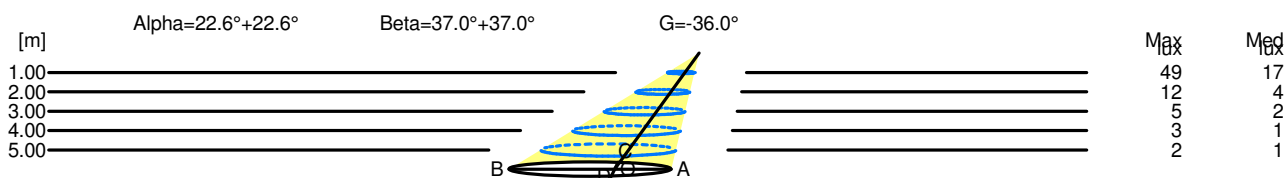
Code FTS1400755  
Name Aria Micro 2W IP65 3000K bianco

|                                                                                                                                                                        |                   |                 |                |                             |                  |                      |                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------|----------------|-----------------------------|------------------|----------------------|----------------------|
| Luminaire Flux                                                                                                                                                         | 57.00 lm          | Luminaire Power | 2.70 W         | Efficacy                    | 21.11 lm/W       | Efficiency           | 100.00%              |
| Lamps Flux                                                                                                                                                             | 57.00 lm          | Maximum value   | 1181.80 cd/klm | Position                    | C=165.00 G=33.00 | CG                   | Sym. on planes 0-180 |
| Rectangular Luminaire                                                                                                                                                  |                   | Length          | 60 mm          | Width                       | 60 mm            | Height               | 26 mm                |
| Rectangular Luminous Area                                                                                                                                              |                   | Length          | 30 mm          | Width                       | 25 mm            | Height               | 0 mm                 |
| Horizontal Luminous Area                                                                                                                                               |                   | 0.000750 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°           |                  | 0.000181 m2          |                      |
| Coordinate system                                                                                                                                                      |                   | CG              |                | Symmetry Type               |                  | Sym. on planes 0-180 |                      |
| Date                                                                                                                                                                   |                   | 06-10-2014      |                | Maximum Gamma Angle         |                  | 90                   |                      |
| Measurement Distance                                                                                                                                                   |                   | 0.00            |                | Measurement Flux            |                  | 57.00 lm             |                      |
| 3000K - I <sub>max</sub> =174 cd/Klm - LED Flux=165 lm - LED Power=2.3 W - Eff=34 % - EfcLED=72 lm/W - EfcLum=21 lm/W<br>Ra=80 min - SDCM=4 - Life=L70(10K)>60,500 ore |                   |                 |                |                             |                  |                      |                      |
| C.I.E.                                                                                                                                                                 | 53 95 100 100 100 |                 |                | D DIN 5040                  | A40              |                      |                      |
| F UTE                                                                                                                                                                  | 1.00 D            |                 |                | B NBN                       | BZ 4 / 1 / BZ 3  |                      |                      |

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   | 0.49 | 0.98 | 1.47 | 1.95 | 2.44 | OC   | 0.93 | 1.86 | 2.79 | 3.72 | 4.65 |
| OB   | 0.91 | 1.82 | 2.73 | 3.63 | 4.54 | OD   | 0.93 | 1.86 | 2.79 | 3.72 | 4.65 |

|    |                                |       |       |       |       |       |       |      |      |      |
|----|--------------------------------|-------|-------|-------|-------|-------|-------|------|------|------|
|    | Luminous Intensities [ cd/klm] |       |       |       |       |       |       |      |      |      |
|    | 0                              | 5     | 15    | 25    | 35    | 45    | 55    | 65   | 75   | 85   |
| OA | 9.94                           | 7.67  | 3.95  | 2.16  | 0.74  | 0.41  | 0.18  | 0.07 | 0.01 | 0.00 |
| OB | 9.94                           | 12.67 | 38.18 | 64.27 | 65.53 | 59.76 | 43.03 | 8.19 | 0.00 | 0.00 |
| OC | 9.79                           | 11.03 | 9.81  | 6.57  | 4.41  | 1.98  | 0.89  | 0.36 | 0.05 | 0.00 |
| OD | 9.79                           | 11.03 | 9.81  | 6.57  | 4.41  | 1.98  | 0.89  | 0.36 | 0.05 | 0.00 |



| H[m] | D[m] | Max lux | Med lux | Alpha=22.6°+22.6° | G=-36.0 |
|------|------|---------|---------|-------------------|---------|
| 1.00 | 1.40 | 49      | 17      |                   |         |
| 2.00 | 2.79 | 12      | 4       |                   |         |
| 3.00 | 4.19 | 5       | 2       |                   |         |
| 4.00 | 5.59 | 3       | 1       |                   |         |
| 5.00 | 6.99 | 2       | 1       |                   |         |

| H[m] | D[m] | Max lux | Med lux | Beta=37.0°+37.0° | G=0.0 |
|------|------|---------|---------|------------------|-------|
| 1.00 | 1.86 | 49      | 17      |                  |       |
| 2.00 | 3.72 | 12      | 4       |                  |       |
| 3.00 | 5.58 | 5       | 2       |                  |       |
| 4.00 | 7.44 | 3       | 1       |                  |       |
| 5.00 | 9.30 | 2       | 1       |                  |       |

## Luminaire

Code NL31019VTK006  
Name Aria Micro 2W IP65 3000K bianco

## Measurement

Code FTS1400755  
Name Aria Micro 2W IP65 3000K bianco

|                |          |                 |                |          |                  |            |                      |
|----------------|----------|-----------------|----------------|----------|------------------|------------|----------------------|
| Luminaire Flux | 57.00 lm | Luminaire Power | 2.70 W         | Efficacy | 21.11 lm/W       | Efficiency | 100.00%              |
| Lamps Flux     | 57.00 lm | Maximum value   | 1181.80 cd/klm | Position | C=165.00 G=33.00 | CG         | Sym. on planes 0-180 |

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      | 32.6            | 33.9 | 32.9 | 34.1 | 23.2 | 21.5          | 22.7 | 21.8 | 22.9 | 23.2 |
| x=2H y=3H      | 32.6            | 33.7 | 32.9 | 33.9 | 23.0 | 21.4          | 22.4 | 21.7 | 22.7 | 23.0 |
| x=2H y=4H      | 32.5            | 33.5 | 32.9 | 33.8 | 22.9 | 21.3          | 22.3 | 21.6 | 22.6 | 22.9 |
| x=2H y=6H      | 32.5            | 33.4 | 32.8 | 33.7 | 22.7 | 21.2          | 22.1 | 21.6 | 22.4 | 22.7 |
| x=2H y=8H      | 32.4            | 33.3 | 32.8 | 33.6 | 22.7 | 21.2          | 22.0 | 21.5 | 22.4 | 22.7 |
| x=2H y=12H     | 32.4            | 33.2 | 32.7 | 33.5 | 22.6 | 21.1          | 22.0 | 21.5 | 22.3 | 22.6 |
| x=4H y=2H      | 32.5            | 33.5 | 32.9 | 33.8 | 24.9 | 23.4          | 24.4 | 23.7 | 24.6 | 24.9 |
| x=4H y=3H      | 32.5            | 33.3 | 32.9 | 33.7 | 24.7 | 23.2          | 24.0 | 23.6 | 24.4 | 24.7 |
| x=4H y=4H      | 32.5            | 33.2 | 32.8 | 33.5 | 24.6 | 23.2          | 23.9 | 23.5 | 24.2 | 24.6 |
| x=4H y=6H      | 32.4            | 33.0 | 32.8 | 33.4 | 24.5 | 23.1          | 23.7 | 23.5 | 24.1 | 24.5 |
| x=4H y=8H      | 32.3            | 32.9 | 32.8 | 33.3 | 24.4 | 23.0          | 23.6 | 23.5 | 24.0 | 24.4 |
| x=4H y=12H     | 32.3            | 32.8 | 32.8 | 33.2 | 24.4 | 23.0          | 23.5 | 23.5 | 23.9 | 24.4 |
| x=8H y=4H      | 32.3            | 32.9 | 32.8 | 33.3 | 24.4 | 23.1          | 23.6 | 23.5 | 24.0 | 24.4 |
| x=8H y=6H      | 32.3            | 32.7 | 32.7 | 33.2 | 24.3 | 23.0          | 23.5 | 23.4 | 23.9 | 24.3 |
| x=8H y=8H      | 32.2            | 32.6 | 32.7 | 33.1 | 24.3 | 22.9          | 23.4 | 23.4 | 23.8 | 24.3 |
| x=8H y=12H     | 32.2            | 32.5 | 32.7 | 33.0 | 24.2 | 22.9          | 23.3 | 23.4 | 23.7 | 24.2 |
| x=12H y=4H     | 32.3            | 32.8 | 32.8 | 33.2 | 24.4 | 23.0          | 23.5 | 23.5 | 23.9 | 24.4 |
| x=12H y=6H     | 32.2            | 32.6 | 32.7 | 33.1 | 24.3 | 22.9          | 23.4 | 23.4 | 23.8 | 24.3 |
| x=12H y=8H     | 32.2            | 32.5 | 32.7 | 33.0 | 24.2 | 22.9          | 23.3 | 23.4 | 23.7 | 24.2 |