

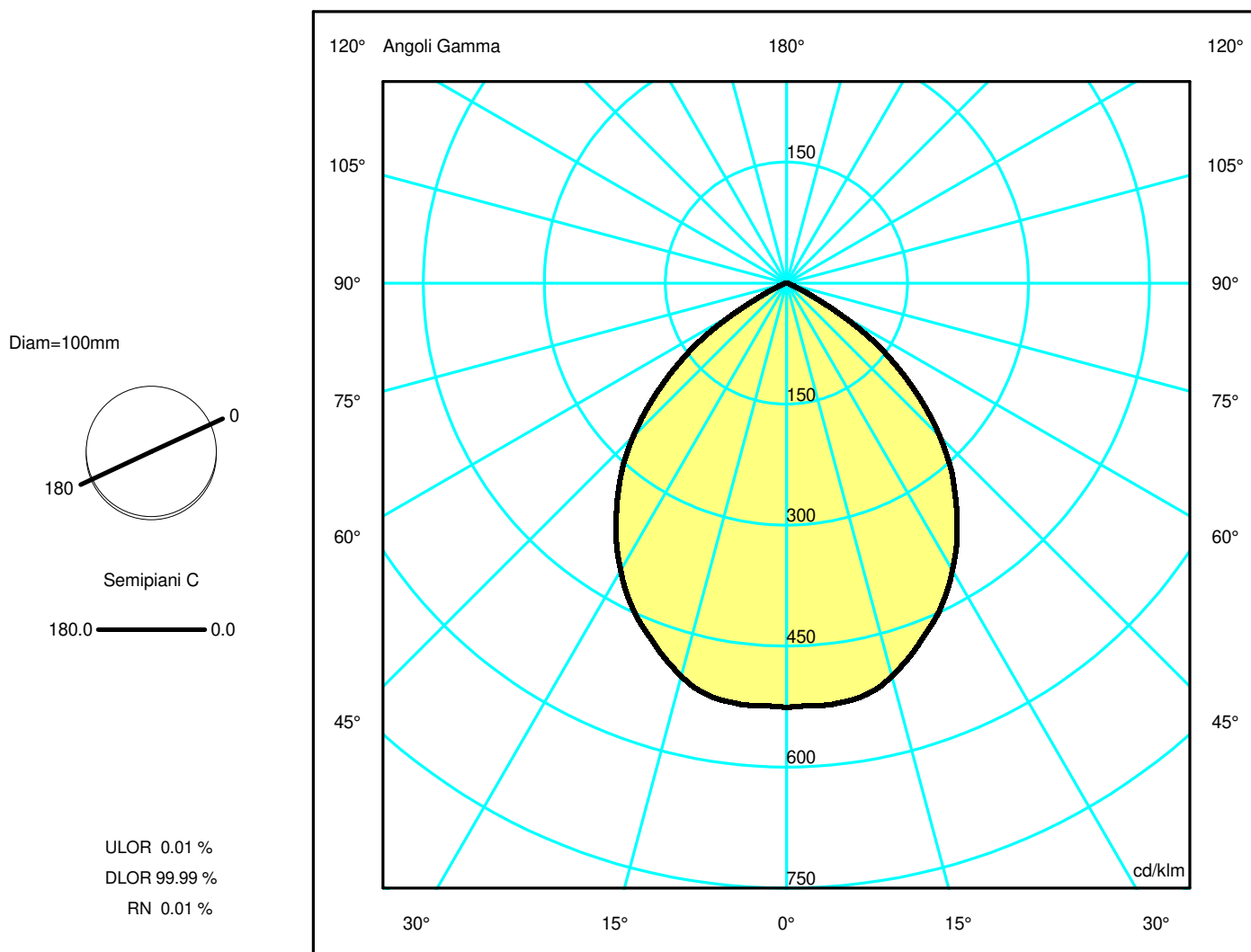
## Luminaire

Code 1747050A  
Name DEMETRA MICRO LED T NRO OP.

## Measurement

Code FTS1601603  
Name DEMETRA MICRO LED T NRO OP.

|  |                   |                         |               |                             |               |                         |                 |
|--|-------------------|-------------------------|---------------|-----------------------------|---------------|-------------------------|-----------------|
| Luminaire Flux   | 257 lm            | Luminaire Power         | 6.0 W         | Efficacy                    | 42.817 lm/W   | Efficiency              | 100.00%         |
| Source Flux  | 257 lm            | Maximum value           | 525.79 cd/klm | Position                    | C=0.00 G=0.00 | CG                      | Rotosymmetrical |
| Round Luminaire  |                   | Diam.                   | 100 mm        | Height                      | 5 mm          |                         |                 |
| Round Luminous Area  |                   | Diam.                   | 20 mm         | Height                      | 0 mm          |                         |                 |
| Horizontal Luminous Area   |                   | 0.000314 m <sup>2</sup> |               | Emitting area on Plane 180° |               | 0.000000 m <sup>2</sup> |                 |
| Emitting area on Plane 0°  |                   | 0.000000 m <sup>2</sup> |               | Emitting area on Plane 270° |               | 0.000000 m <sup>2</sup> |                 |
| Emitting area on Plane 90°   |                   | 0.000000 m <sup>2</sup> |               | Glare area at 76°           |               | 0.000076 m <sup>2</sup> |                 |
| Coordinate system  |                   | CG                      |               | Symmetry Type               |               | Rotosymmetrical         |                 |
| Date   |                   | 06-07-2016              |               | Maximum Gamma Angle         |               | 180                     |                 |
| Measurement Distance   |                   | 0.00                    |               | Measurement Flux            |               | 257 lm                  |                 |
| LED Flux=524,3lm LED Power=4,3W Eff=49% EfcLed=122lm/W EfcLum=43lm/W Ra=90 SDCM=2 L70(6K)=50000h |                   |                         |               |                             |               |                         |                 |
| C.I.E.   | 66 96 100 100 100 |                         |               | D DIN 5040                  | A50           |                         |                 |
| F UTE  | 1.00 C            |                         |               | B NBN                       | BZ 2          |                         |                 |



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|                            |        |                 |               |                             |               |                 |                 |
|----------------------------|--------|-----------------|---------------|-----------------------------|---------------|-----------------|-----------------|
| Luminaire Flux             | 257 lm | Luminaire Power | 6.0 W         | Efficacy                    | 42.817 lm/W   | Efficiency      | 100.00%         |
| Source Flux                | 257 lm | Maximum value   | 525.79 cd/klm | Position                    | C=0.00 G=0.00 | CG              | Rotosymmetrical |
| Round Luminaire            |        | Diam.           | 100 mm        | Height                      | 5 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                       |        | 06-07-2016      |               | Maximum Gamma Angle         |               | 180             |                 |
| Measurement Distance       |        | 0.00            |               | Measurement Flux            |               | 257 lm          |                 |

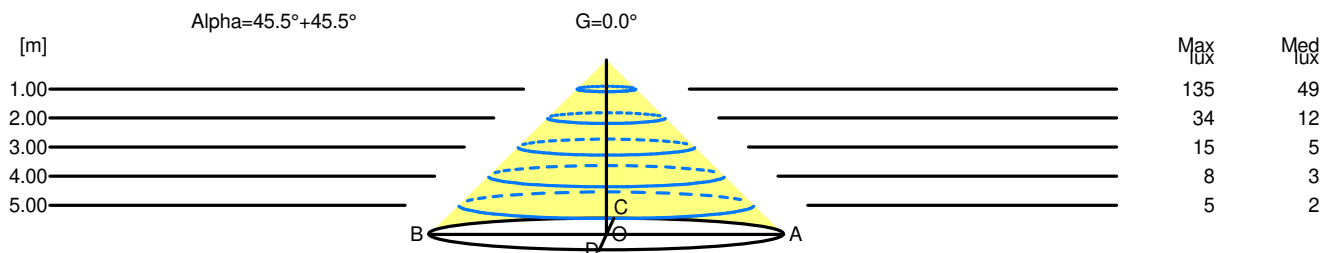
LED Flux=524,3lm LED Power=4,3W Eff=49% EfcLed=122lm/W EfcLum=43lm/W Ra=90 SDCM=2 L70(6K)=50000h

|        |                   |            |      |
|--------|-------------------|------------|------|
| C.I.E. | 66 96 100 100 100 | D DIN 5040 | A50  |
| F UTE  | 1.00 C            | B NBN      | BZ 2 |

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   | 1.02 | 2.04 | 3.05 | 4.07 | 5.09 | OC   | 1.02 | 2.04 | 3.05 | 4.07 | 5.09 |
| OB   | 1.02 | 2.04 | 3.05 | 4.07 | 5.09 | OD   | 1.02 | 2.04 | 3.05 | 4.07 | 5.09 |

|    | Luminous Intensities [ cd/klm ] |        |        |        |       |       |       |      |      |      |
|----|---------------------------------|--------|--------|--------|-------|-------|-------|------|------|------|
|    | 0                               | 5      | 15     | 25     | 35    | 45    | 55    | 65   | 75   | 85   |
| OA | 135.07                          | 134.96 | 129.56 | 115.13 | 94.68 | 69.09 | 37.59 | 6.36 | 1.23 | 0.49 |
| OB | 135.07                          | 134.96 | 129.56 | 115.13 | 94.68 | 69.09 | 37.59 | 6.36 | 1.23 | 0.49 |
| OC | 135.07                          | 134.96 | 129.56 | 115.13 | 94.68 | 69.09 | 37.59 | 6.36 | 1.23 | 0.49 |
| OD | 135.07                          | 134.96 | 129.56 | 115.13 | 94.68 | 69.09 | 37.59 | 6.36 | 1.23 | 0.49 |



| H[m] | D[m]  | Max lux | Med lux | Alpha=45.5°+45.5° | G=0.0 |
|------|-------|---------|---------|-------------------|-------|
| 1.00 | 2.04  | 135     | 49      |                   |       |
| 2.00 | 4.07  | 34      | 12      |                   |       |
| 3.00 | 6.11  | 15      | 5       |                   |       |
| 4.00 | 8.14  | 8       | 3       |                   |       |
| 5.00 | 10.18 | 5       | 2       |                   |       |