

## Luminaire

Code DD0014B10C1W  
Name UNA PRO 16 LED C/W 3000K/NSP - BCO

## Measurem.

Code FTS1600441-A  
Name UNA PRO 16 LED C/W 3000K/NSP - BCO

|                                                                                                                 |                 |                 |                 |                             |               |                    |         |
|-----------------------------------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|-----------------------------|---------------|--------------------|---------|
| Luminaire Flux                                                                                                  | 1550 lm         | Luminaire Power | 20.0 W          | Efficacy                    | 77.497 lm/W   | Efficiency         | 100.00% |
| Source Flux                                                                                                     | 1550 lm         | Maximum value   | 18553.53 cd/klm | Position                    | C=0.00 G=0.00 | CG Rotosymmetrical |         |
| Rectangular Luminaire                                                                                           |                 | Length          | 150 mm          | Width                       | 150 mm        | Height             | 20 mm   |
| Rectangular Luminous Area                                                                                       |                 | Length          | 106 mm          | Width                       | 106 mm        | Height             | 0 mm    |
| Horizontal Luminous Area                                                                                        |                 | 0.011236 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°           |               | 0.002718 m2        |         |
| Coordinate system                                                                                               |                 | CG              |                 | Symmetry Type               |               | Rotosymmetrical    |         |
| Date                                                                                                            |                 | 30-08-2022      |                 | Maximum Gamma Angle         |               | 180                |         |
| Measurement Distance                                                                                            |                 | 0.00            |                 | Measurement Flux            |               | 1550 lm            |         |
| LED Flux=1904lm LED Power=15W Eff=81% EfcLed=125lm/W EfcLum=77lm/W CCT=3000K Ra=90 R9=50 SDCM=2 L70(6K)=272160h |                 |                 |                 |                             |               |                    |         |
| C.I.E.                                                                                                          | 95 97 99 99 100 |                 |                 | D DIN 5040                  | A61           |                    |         |
| F UTE                                                                                                           | 0.99 A + 0.01 T |                 |                 | B NBN                       | BZ 1          |                    |         |

150mm x 150mm



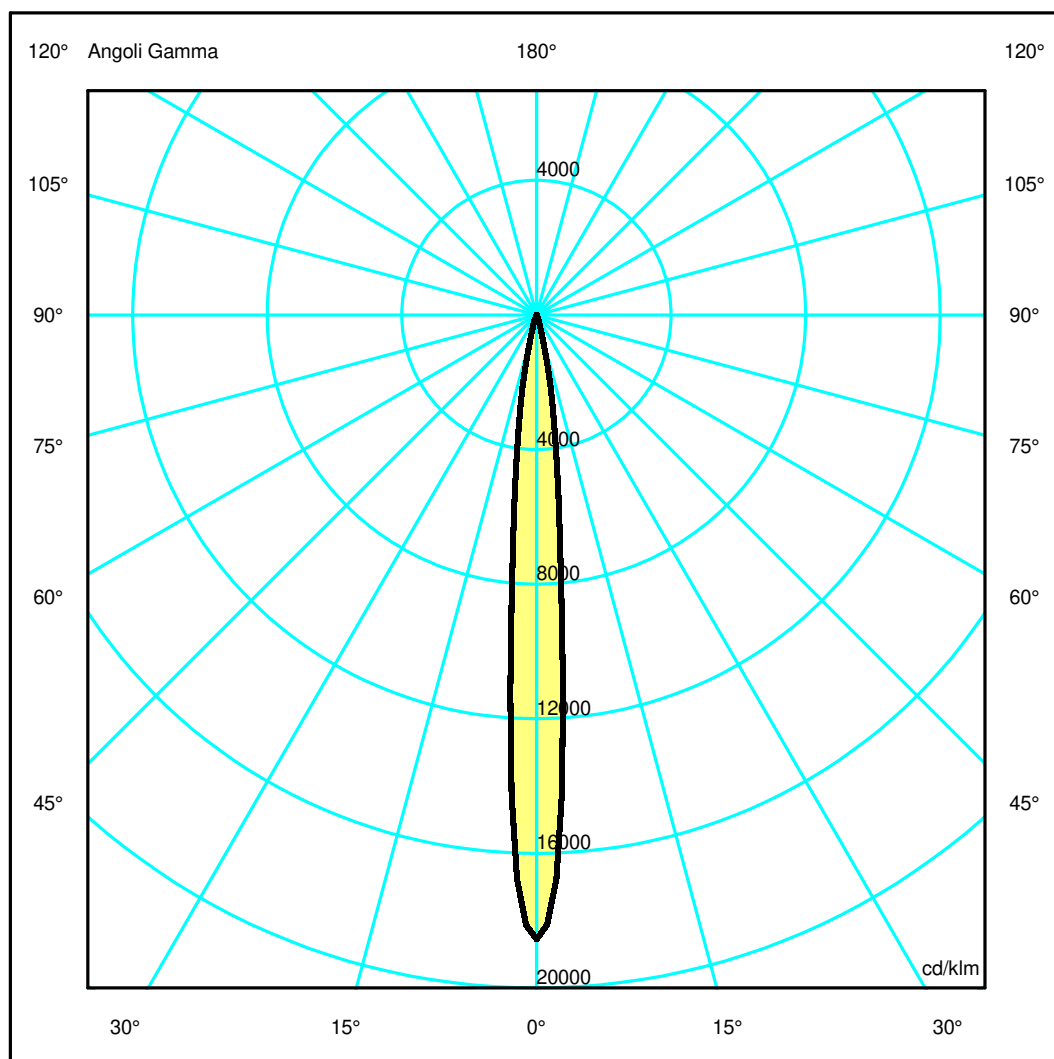
Semipiani C

180.0 — 0.0

ULOR 0.65 %

DLOR 99.35 %

RN 0.65 %



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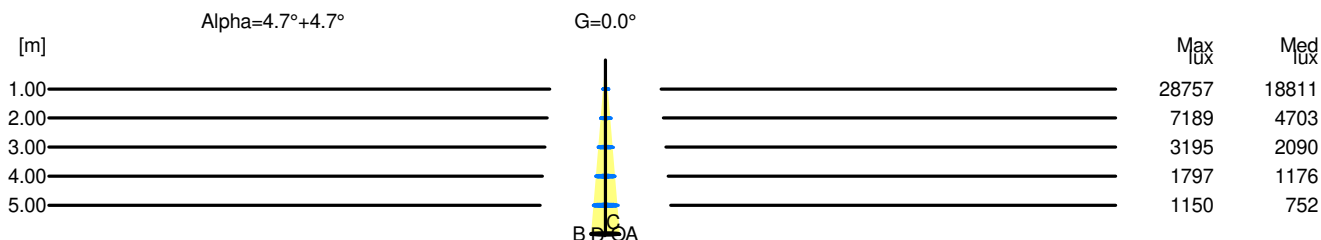
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|                                                                                                                 |                 |                 |                 |                             |               |                 |                 |
|-----------------------------------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|-----------------------------|---------------|-----------------|-----------------|
| Luminaire Flux                                                                                                  | 1550 lm         | Luminaire Power | 20.0 W          | Efficacy                    | 77.497 lm/W   | Efficiency      | 100.00%         |
| Source Flux                                                                                                     | 1550 lm         | Maximum value   | 18553.53 cd/klm | Position                    | C=0.00 G=0.00 | CG              | Rotosymmetrical |
| Rectangular Luminaire                                                                                           |                 | Length          | 150 mm          | Width                       | 150 mm        | Height          | 20 mm           |
| Rectangular Luminous Area                                                                                       |                 | Length          | 106 mm          | Width                       | 106 mm        | Height          | 0 mm            |
| Horizontal Luminous Area                                                                                        |                 | 0.011236 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°           |               | 0.002718 m2     |                 |
| Coordinate system                                                                                               |                 | CG              |                 | Symmetry Type               |               | Rotosymmetrical |                 |
| Date                                                                                                            |                 | 30-08-2022      |                 | Maximum Gamma Angle         |               | 180             |                 |
| Measurement Distance                                                                                            |                 | 0.00            |                 | Measurement Flux            |               | 1550 lm         |                 |
| LED Flux=1904lm LED Power=15W Eff=81% EfcLed=125lm/W EfcLum=77lm/W CCT=3000K Ra=90 R9=50 SDCM=2 L70(6K)=272160h |                 |                 |                 |                             |               |                 |                 |
| C.I.E.                                                                                                          | 95 97 99 99 100 |                 |                 | D DIN 5040                  | A61           |                 |                 |
| F UTE                                                                                                           | 0.99 A + 0.01 T |                 |                 | 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   | 0.08 | 0.17 | 0.25 | 0.33 | 0.41 | OC   | 0.08 | 0.17 | 0.25 | 0.33 | 0.41 |
| OB   | 0.08 | 0.17 | 0.25 | 0.33 | 0.41 | OD   | 0.08 | 0.17 | 0.25 | 0.33 | 0.41 |

|    |                                |          |        |        |       |       |       |       |       |       |
|----|--------------------------------|----------|--------|--------|-------|-------|-------|-------|-------|-------|
|    | Luminous Intensities [ cd/klm] |          |        |        |       |       |       |       |       |       |
|    | 0                              | 5        | 15     | 25     | 35    | 45    | 55    | 65    | 75    | 85    |
| OA | 28756.68                       | 13258.35 | 973.04 | 112.24 | 44.08 | 23.66 | 20.97 | 21.42 | 10.19 | 12.98 |
| OB | 28756.68                       | 13258.35 | 973.04 | 112.24 | 44.08 | 23.66 | 20.97 | 21.42 | 10.19 | 12.98 |
| OC | 28756.68                       | 13258.35 | 973.04 | 112.24 | 44.08 | 23.66 | 20.97 | 21.42 | 10.19 | 12.98 |
| OD | 28756.68                       | 13258.35 | 973.04 | 112.24 | 44.08 | 23.66 | 20.97 | 21.42 | 10.19 | 12.98 |



| H[m] | D[m] | Max lux | Med lux | Alpha=4.7°+4.7° | G=0.0 |
|------|------|---------|---------|-----------------|-------|
| 1.00 | 0.17 | 28757   | 18811   |                 |       |
| 2.00 | 0.33 | 7189    | 4703    |                 |       |
| 3.00 | 0.50 | 3195    | 2090    |                 |       |
| 4.00 | 0.66 | 1797    | 1176    |                 |       |
| 5.00 | 0.83 | 1150    | 752     |                 |       |