

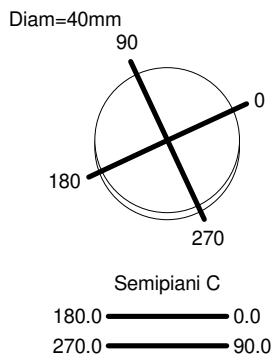
## Luminaire

Code AN00304+AP90200  
 Name VECTOR 40 TRACK 930 WF ND NRO + LENS FOR ELLIPTICAL EMISSION

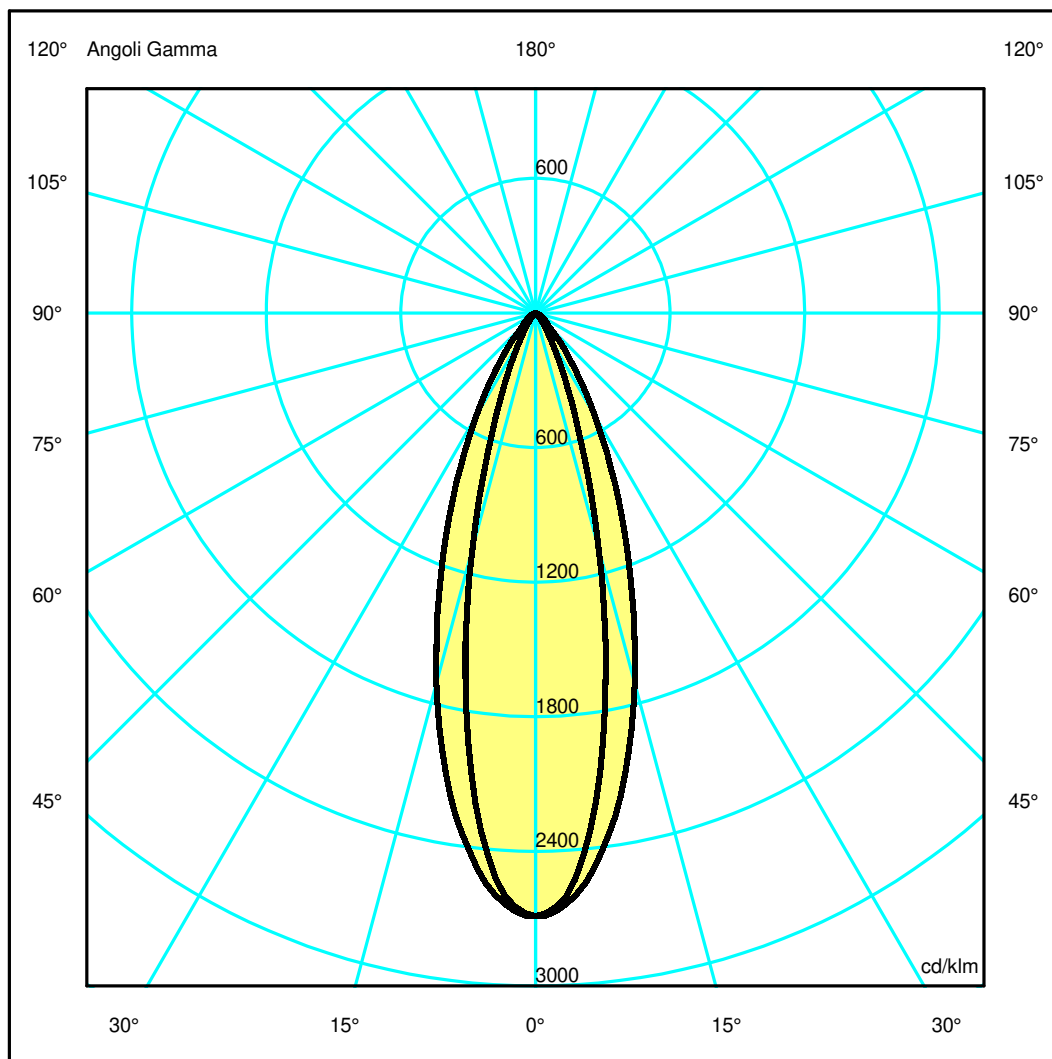
## Measurement

Code FTS1800563  
 Name VECTOR 40 TRACK 930 WF ND NRO + LENS FOR ELLIPTICAL EMISSION

|  |                   |                 |                |                             |               |                    |                    |
|--|-------------------|-----------------|----------------|-----------------------------|---------------|--------------------|--------------------|
| Luminaire Flux   | 323 lm            | Luminaire Power | 10.0 W         | Efficacy                    | 32.299 lm/W   | Efficiency         | 100.00%            |
| Source Flux  | 323 lm            | Maximum value   | 2688.01 cd/klm | Position                    | C=0.00 G=0.00 | CG                 | Double Symmetrical |
| Round Luminaire  |                   | Diam.           | 40 mm          | Height                      | 103 mm        |                    |                    |
| Round Luminous Area  |                   | Diam.           | 27 mm          | Height                      | 0 mm          |                    |                    |
| Horizontal Luminous Area   |                   |                 | 0.000573 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°           |               |                    | 0.000139 m2        |
| Coordinate system  |                   | CG              |                | Symmetry Type               |               | Double Symmetrical |                    |
| Date   |                   | 14-05-2018      |                | Maximum Gamma Angle         |               | 180                |                    |
| Measurement Distance   |                   | 0.00            |                | Measurement Flux            |               | 323 lm             |                    |
| LED Flux=846,4lm LED Power=8W Eff=38% EfcLed=106lm/W EfcLum=32lm/W CCT=3000K Ra=90 SDCM=2 L70(6K)=50000h |                   |                 |                |                             |               |                    |                    |
| C.I.E.   | 95 99 100 100 100 |                 |                | D DIN 5040                  | A60           |                    |                    |
| F UTE  | 1.00 A            |                 |                | B NBN                       | BZ 1          |                    |                    |



ULOR 0.00 %  
 DLOR100.00 %  
 RN 0.00 %



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|                            |        |                         |                |                             |               |                         |                    |
|----------------------------|--------|-------------------------|----------------|-----------------------------|---------------|-------------------------|--------------------|
| Luminaire Flux             | 323 lm | Luminaire Power         | 10.0 W         | Efficacy                    | 32.299 lm/W   | Efficiency              | 100.00%            |
| Source Flux                | 323 lm | Maximum value           | 2688.01 cd/klm | Position                    | C=0.00 G=0.00 | CG                      | Double Symmetrical |
| Round Luminaire            |        | Diam.                   | 40 mm          | Height                      | 103 mm        |                         |                    |
| Round Luminous Area        |        | Diam.                   | 27 mm          | Height                      | 0 mm          |                         |                    |
| Horizontal Luminous Area   |        | 0.000573 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°           |               | 0.000139 m <sup>2</sup> |                    |
| Coordinate system          |        | CG                      |                | Symmetry Type               |               | Double Symmetrical      |                    |
| Date                       |        | 14-05-2018              |                | Maximum Gamma Angle         |               | 180                     |                    |
| Measurement Distance       |        | 0.00                    |                | Measurement Flux            |               | 323 lm                  |                    |

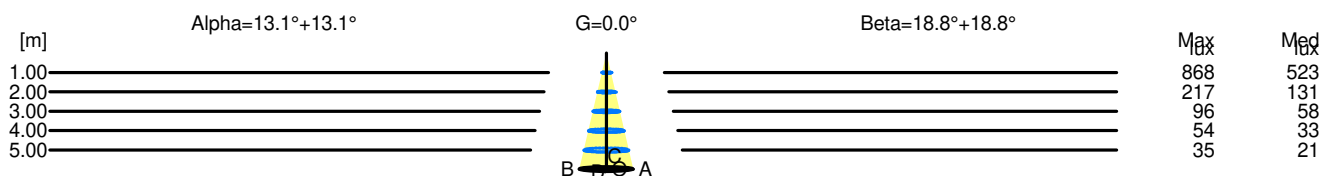
LED Flux=846,4lm LED Power=8W Eff=38% EfcLed=106lm/W EfcLum=32lm/W CCT=3000K Ra=90 SDCM=2 L70(6K)=50000h

|        |                   |            |      |
|--------|-------------------|------------|------|
| C.I.E. | 95 99 100 100 100 | 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   | 0.23 | 0.47 | 0.70 | 0.93 | 1.17 | OC   | 0.34 | 0.68 | 1.02 | 1.36 | 1.70 |
| OB   | 0.23 | 0.47 | 0.70 | 0.93 | 1.17 | OD   | 0.34 | 0.68 | 1.02 | 1.36 | 1.70 |

|    | Luminous Intensities [ cd/klm ] |        |        |        |        |       |       |      |      |      |
|----|---------------------------------|--------|--------|--------|--------|-------|-------|------|------|------|
|    | 0                               | 5      | 15     | 25     | 35     | 45    | 55    | 65   | 75   | 85   |
| OA | 868.20                          | 784.98 | 351.21 | 91.79  | 21.58  | 5.77  | 1.85  | 1.09 | 0.68 | 0.23 |
| OB | 868.20                          | 784.98 | 351.21 | 91.79  | 21.58  | 5.77  | 1.85  | 1.09 | 0.68 | 0.23 |
| OC | 868.20                          | 823.99 | 551.45 | 270.06 | 100.38 | 26.94 | 12.43 | 6.73 | 1.41 | 0.25 |
| OD | 868.20                          | 823.99 | 551.45 | 270.06 | 100.38 | 26.94 | 12.43 | 6.73 | 1.41 | 0.25 |



| H[m] | D[m] | Max lux | Med lux | Alpha=13.1°+13.1° | G=0.0 |
|------|------|---------|---------|-------------------|-------|
| 1.00 | 0.47 | 868     | 523     |                   |       |
| 2.00 | 0.93 | 217     | 131     |                   |       |
| 3.00 | 1.40 | 96      | 58      |                   |       |
| 4.00 | 1.86 | 54      | 33      |                   |       |
| 5.00 | 2.33 | 35      | 21      |                   |       |

| H[m] | D[m] | Max lux | Med lux | Beta=18.8°+18.8° | G=0.0 |
|------|------|---------|---------|------------------|-------|
| 1.00 | 0.68 | 868     | 523     |                  |       |
| 2.00 | 1.36 | 217     | 131     |                  |       |
| 3.00 | 2.04 | 96      | 58      |                  |       |
| 4.00 | 2.72 | 54      | 33      |                  |       |
| 5.00 | 3.40 | 35      | 21      |                  |       |