

## Luminaire

Code AF81705  
Name SHARP SMD.12X 33W 930 WW ND SIL/NRO

## Measurem.

Code FTS1903526  
Name SHARP SMD.12X 33W 930 WW ND SIL/NRO

|                            |            |                 |                |                             |                 |                      |                      |
|----------------------------|------------|-----------------|----------------|-----------------------------|-----------------|----------------------|----------------------|
| Luminaire Flux             | 1969.35 lm | Luminaire Power | 37.00 W        | Efficacy                    | 53.23 lm/W      | Efficiency           | 100.00%              |
| Lamps Flux                 | 1969.35 lm | Maximum value   | 1103.17 cd/klm | Position                    | C=175.00 G=9.00 | CG                   | Sym. on planes 0-180 |
| Rectangular Luminaire      |            | Length          | 450 mm         | Width                       | 45 mm           | Height               | 85 mm                |
| Rectangular Luminous Area  |            | Length          | 440 mm         | Width                       | 32 mm           | Height               | 0 mm                 |
| Horizontal Luminous Area   |            | 0.014080 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°           |                 | 0.003406 m2          |                      |
| Coordinate system          |            | CG              |                | Symmetry Type               |                 | Sym. on planes 0-180 |                      |
| Date                       |            | 29-10-2019      |                | Maximum Gamma Angle         |                 | 180                  |                      |
| Measurement Distance       |            | 0.00            |                | Measurement Flux            |                 | 1969.35 lm           |                      |

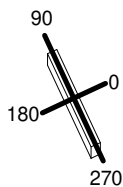
LED Flux=3279lm LED Power=33W Eff=60% EfcLed=99lm/W EfcLum=53lm/W CCT=3000K Ra=90 SDCM=2 L70(6K)=118000h

C.I.E. 73 92 98 100 100  
F UTE 1.00 B

D DIN 5040  
B NBN

A60  
BZ 1 / 1 / BZ 2

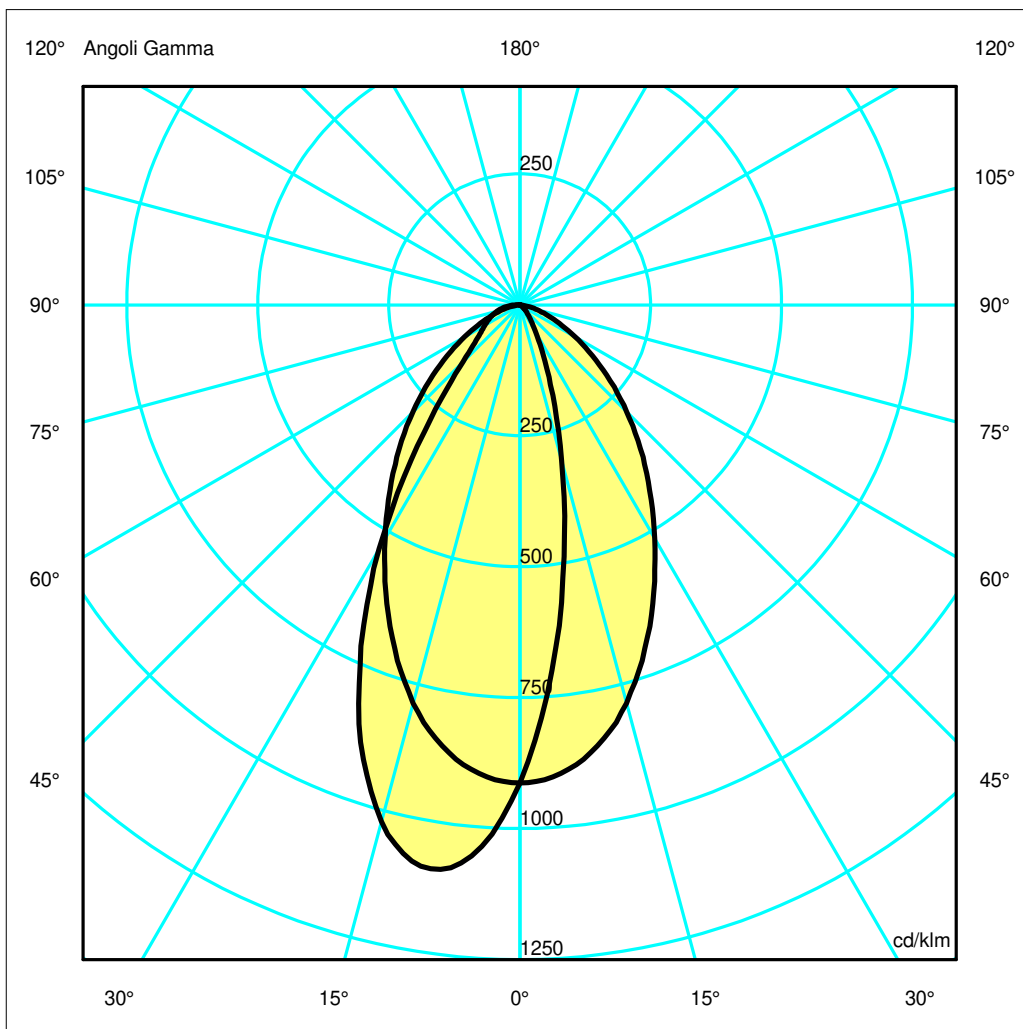
450mm x 45mm



Semipiani C

180.0 ——— 0.0  
270.0 ——— 90.0

ULOR 0.18 %  
DLOR 99.82 %  
RN 0.18 %



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## Measurment.

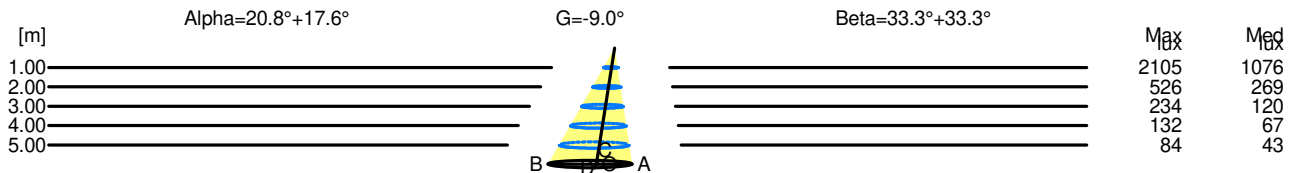
Code FTS1903526  
Name SHARP SMD.12X 33W 930 WW ND SIL/NRO

|  |                  |                 |                |                             |                 |                         |         |
|--|------------------|-----------------|----------------|-----------------------------|-----------------|-------------------------|---------|
| Luminaire Flux   | 1969.35 lm       | Luminaire Power | 37.00 W        | Efficacy                    | 53.23 lm/W      | Efficiency              | 100.00% |
| Lamps Flux   | 1969.35 lm       | Maximum value   | 1103.17 cd/klm | Position                    | C=175.00 G=9.00 | CG Sym. on planes 0-180 |         |
| Rectangular Luminaire  |                  | Length          | 450 mm         | Width                       | 45 mm           | Height                  | 85 mm   |
| Rectangular Luminous Area  |                  | Length          | 440 mm         | Width                       | 32 mm           | Height                  | 0 mm    |
| Horizontal Luminous Area   |                  | 0.014080 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°           |                 | 0.003406 m2             |         |
| Coordinate system  |                  | CG              |                | Symmetry Type               |                 | Sym. on planes 0-180    |         |
| Date   |                  | 29-10-2019      |                | Maximum Gamma Angle         |                 | 180                     |         |
| Measurement Distance   |                  | 0.00            |                | Measurement Flux            |                 | 1969.35 lm              |         |
| LED Flux=3279lm LED Power=33W Eff=60% EfcLed=99lm/W EfcLum=53lm/W CCT=3000K Ra=90 SDCM=2 L70(6K)=118000h |                  |                 |                |                             |                 |                         |         |
| C.I.E.   | 73 92 98 100 100 |                 |                | D DIN 5040                  | A60             |                         |         |
| F UTE  | 1.00 B           |                 |                | B NBN                       | BZ 1 / 1 / 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   | 0.31 | 0.62 | 0.93 | 1.24 | 1.55 | OC   | 0.67 | 1.33 | 2.00 | 2.66 | 3.33 |
| OB   | 0.41 | 0.83 | 1.24 | 1.66 | 2.07 | OD   | 0.67 | 1.33 | 2.00 | 2.66 | 3.33 |

|    |                                |         |         |         |        |        |        |        |       |       |
|----|--------------------------------|---------|---------|---------|--------|--------|--------|--------|-------|-------|
|    | Luminous Intensities [ cd/klm] |         |         |         |        |        |        |        |       |       |
|    | 0                              | 5       | 15      | 25      | 35     | 45     | 55     | 65     | 75    | 85    |
| OA | 1797.87                        | 1379.51 | 604.90  | 209.05  | 74.37  | 30.55  | 6.13   | 1.92   | 1.79  | 1.29  |
| OB | 1797.87                        | 2079.63 | 2009.82 | 1415.01 | 711.81 | 300.07 | 177.66 | 128.42 | 86.87 | 41.96 |
| OC | 1797.87                        | 1768.05 | 1550.04 | 1191.04 | 851.32 | 567.48 | 333.74 | 163.62 | 61.32 | 5.68  |
| OD | 1797.87                        | 1768.05 | 1550.04 | 1191.04 | 851.32 | 567.48 | 333.74 | 163.62 | 61.32 | 5.68  |



|      |      |         |         |                   |        |  |
|------|------|---------|---------|-------------------|--------|--|
| H[m] | D[m] | Max lux | Med lux | Alpha=20.8°+17.6° | G=-9.0 |  |
| 1.00 | 0.72 | 2105    | 1076    |                   |        |  |
| 2.00 | 1.45 | 526     | 269     |                   |        |  |
| 3.00 | 2.17 | 234     | 120     |                   |        |  |
| 4.00 | 2.90 | 132     | 67      |                   |        |  |
| 5.00 | 3.62 | 84      | 43      |                   |        |  |

|      |      |         |         |                  |       |  |
|------|------|---------|---------|------------------|-------|--|
| H[m] | D[m] | Max lux | Med lux | Beta=33.3°+33.3° | G=0.0 |  |
| 1.00 | 1.33 | 2105    | 1076    |                  |       |  |
| 2.00 | 2.66 | 526     | 269     |                  |       |  |
| 3.00 | 3.99 | 234     | 120     |                  |       |  |
| 4.00 | 5.32 | 132     | 67      |                  |       |  |
| 5.00 | 6.65 | 84      | 43      |                  |       |  |