

## Luminaire

Code AF10001+AF95204

Name SHARP RECESSED TRIM 4X 12W 927 FLOOD WHITE EXT.DRV + SCREEN 4X BLACK

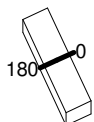
## Measurem.

Code FTS1603146

Name SHARP RECESSED TRIM 4X 12W 927 FLOOD WHITE EXT.DRV + SCREEN 4X BLACK

|  |           |                 |                |                             |               |                 |                 |
|--|-----------|-----------------|----------------|-----------------------------|---------------|-----------------|-----------------|
| Luminaire Flux   | 742.46 lm | Luminaire Power | 11.00 W        | Efficacy                    | 67.50 lm/W    | Efficiency      | 100.00%         |
| Lamps Flux   | 742.46 lm | Maximum value   | 5604.42 cd/klm | Position                    | C=0.00 G=0.00 | CG              | Rotosymmetrical |
| Rectangular Luminaire  |           | Length          | 150 mm         | Width                       | 40 mm         | Height          | 55 mm           |
| Rectangular Luminous Area  |           | Length          | 72 mm          | Width                       | 18 mm         | Height          | 0 mm            |
| Horizontal Luminous Area   |           | 0.001296 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°           |               | 0.000314 m2     |                 |
| Coordinate system  |           | CG              |                | Symmetry Type               |               | Rotosymmetrical |                 |
| Date   |           | 21-02-2017      |                | Maximum Gamma Angle         |               | 180             |                 |
| Measurement Distance   |           | 0.00            |                | Measurement Flux            |               | 742.46 lm       |                 |
| LED Flux=996,2lm LED Power=11W Eff=75% EfcLed=91lm/W EfcLum=67lm/W Ra=90 SDCM=2 L90(6K)=50000h |           |                 |                |                             |               |                 |                 |
| C.I.E.   | 100       | 100             | 100            | 100                         | 100           | D DIN 5040      | A60             |
| F UTE  | --        |                 |                |                             |               | B NBN           | BZ 1            |

150mm x 40mm



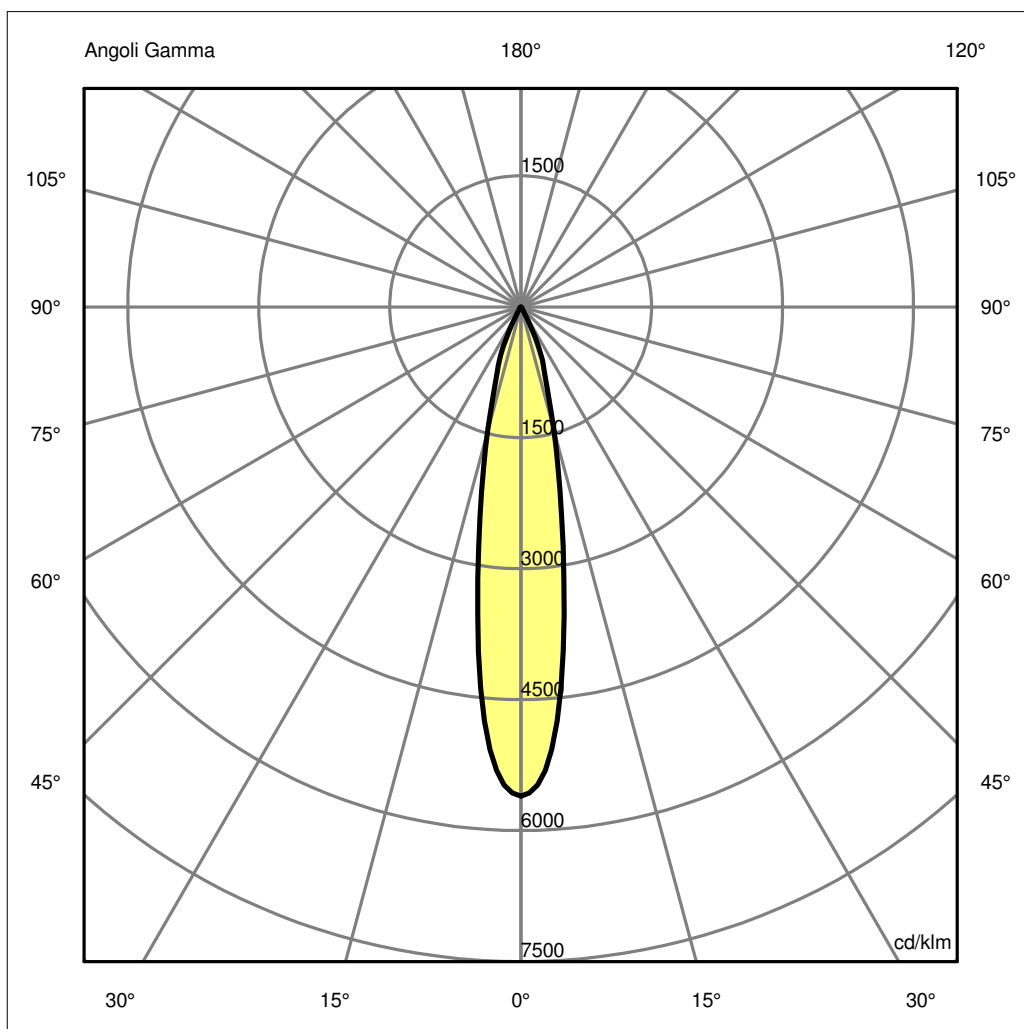
Semipiani C

180.0 — 0.0

ULOR 0.00 %

DLOR100.00 %

RN 0.00 %



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Code FTS1603146

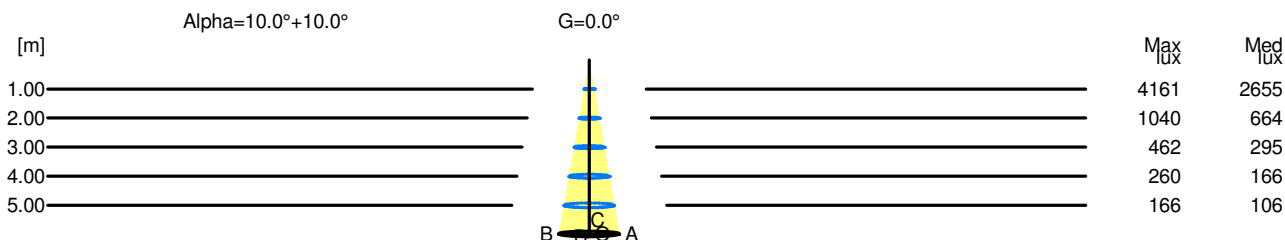
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| Emitting area on Plane 0°  |           | 0.000000 m2     |                | Emitting area on Plane 270° |               | 0.000000 m2     |                 |
| Emitting area on Plane 90°   |           | 0.000000 m2     |                | Glare area at 76°           |               | 0.000314 m2     |                 |
| Coordinate system  |           | CG              |                | Symmetry Type               |               | Rotosymmetrical |                 |
| Date   |           | 21-02-2017      |                | Maximum Gamma Angle         |               | 180             |                 |
| Measurement Distance   |           | 0.00            |                | Measurement Flux            |               | 742.46 lm       |                 |
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| C.I.E.   | 100       | 100             | 100            | 100                         | 100           | D DIN 5040      | A60             |
| F UTE  | --        |                 |                |                             |               | 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   | 0.18 | 0.35 | 0.53 | 0.70 | 0.88 | OC   | 0.18 | 0.35 | 0.53 | 0.70 | 0.88 |
| OB   | 0.18 | 0.35 | 0.53 | 0.70 | 0.88 | OD   | 0.18 | 0.35 | 0.53 | 0.70 | 0.88 |

|    |                                |         |         |        |       |      |      |      |      |      |
|----|--------------------------------|---------|---------|--------|-------|------|------|------|------|------|
|    | Luminous Intensities [ cd/klm] |         |         |        |       |      |      |      |      |      |
|    | 0                              | 5       | 15      | 25     | 35    | 45   | 55   | 65   | 75   | 85   |
| OA | 4161.06                        | 3538.30 | 1086.37 | 290.60 | 17.21 | 3.64 | 0.46 | 0.00 | 0.00 | 0.00 |
| OB | 4161.06                        | 3538.30 | 1086.37 | 290.60 | 17.21 | 3.64 | 0.46 | 0.00 | 0.00 | 0.00 |
| OC | 4161.06                        | 3538.30 | 1086.37 | 290.60 | 17.21 | 3.64 | 0.46 | 0.00 | 0.00 | 0.00 |
| OD | 4161.06                        | 3538.30 | 1086.37 | 290.60 | 17.21 | 3.64 | 0.46 | 0.00 | 0.00 | 0.00 |



| H[m] | D[m] | Max lux | Med lux | Alpha=10.0°+10.0° | G=0.0 |
|------|------|---------|---------|-------------------|-------|
| 1.00 | 0.35 | 4161    | 2655    |                   |       |
| 2.00 | 0.70 | 1040    | 664     |                   |       |
| 3.00 | 1.05 | 462     | 295     |                   |       |
| 4.00 | 1.40 | 260     | 166     |                   |       |
| 5.00 | 1.75 | 166     | 106     |                   |       |

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## Measurement

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|                |           |                 |                |          |               |            |                 |
|----------------|-----------|-----------------|----------------|----------|---------------|------------|-----------------|
| Luminaire Flux | 742.46 lm | Luminaire Power | 11.00 W        | Efficacy | 67.50 lm/W    | Efficiency | 100.00%         |
| Lamps Flux     | 742.46 lm | Maximum value   | 5604.42 cd/klm | Position | C=0.00 G=0.00 | CG         | Rotosymmetrical |

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      | 5.0             | 5.6 | 5.2 | 5.8 | 6.0 | 5.0           | 5.6 | 5.2 | 5.8 | 6.0 |
| x=2H y=3H      | 4.9             | 5.5 | 5.2 | 5.7 | 5.9 | 4.9           | 5.5 | 5.2 | 5.7 | 5.9 |
| x=2H y=4H      | 4.8             | 5.3 | 5.1 | 5.6 | 5.8 | 4.8           | 5.3 | 5.1 | 5.6 | 5.8 |
| x=2H y=6H      | 4.7             | 5.2 | 5.1 | 5.5 | 5.8 | 4.7           | 5.2 | 5.1 | 5.5 | 5.8 |
| x=2H y=8H      | 4.7             | 5.2 | 5.0 | 5.4 | 5.7 | 4.7           | 5.2 | 5.0 | 5.4 | 5.7 |
| x=2H y=12H     | 4.7             | 5.1 | 5.0 | 5.4 | 5.7 | 4.7           | 5.1 | 5.0 | 5.4 | 5.7 |
| x=4H y=2H      | 4.8             | 5.3 | 5.1 | 5.6 | 5.8 | 4.8           | 5.3 | 5.1 | 5.6 | 5.8 |
| x=4H y=3H      | 4.7             | 5.1 | 5.0 | 5.4 | 5.7 | 4.7           | 5.1 | 5.0 | 5.4 | 5.7 |
| x=4H y=4H      | 4.6             | 5.0 | 5.0 | 5.3 | 5.6 | 4.6           | 5.0 | 5.0 | 5.3 | 5.6 |
| x=4H y=6H      | 4.5             | 4.8 | 4.9 | 5.2 | 5.6 | 4.5           | 4.8 | 4.9 | 5.2 | 5.6 |
| x=4H y=8H      | 4.5             | 4.8 | 4.9 | 5.1 | 5.5 | 4.5           | 4.8 | 4.9 | 5.1 | 5.5 |
| x=4H y=12H     | 4.4             | 4.7 | 4.9 | 5.1 | 5.5 | 4.4           | 4.7 | 4.9 | 5.1 | 5.5 |
| x=8H y=4H      | 4.5             | 4.8 | 4.9 | 5.1 | 5.5 | 4.5           | 4.8 | 4.9 | 5.1 | 5.5 |
| x=8H y=6H      | 4.4             | 4.6 | 4.8 | 5.0 | 5.5 | 4.4           | 4.6 | 4.8 | 5.0 | 5.5 |
| x=8H y=8H      | 4.3             | 4.5 | 4.8 | 4.9 | 5.4 | 4.3           | 4.5 | 4.8 | 4.9 | 5.4 |
| x=8H y=12H     | 4.3             | 4.4 | 4.8 | 4.9 | 5.4 | 4.3           | 4.4 | 4.8 | 4.9 | 5.4 |
| x=12H y=4H     | 4.4             | 4.7 | 4.9 | 5.1 | 5.5 | 4.4           | 4.7 | 4.9 | 5.1 | 5.5 |
| x=12H y=6H     | 4.3             | 4.5 | 4.8 | 4.9 | 5.4 | 4.3           | 4.5 | 4.8 | 4.9 | 5.4 |
| x=12H y=8H     | 4.3             | 4.4 | 4.8 | 4.9 | 5.4 | 4.3           | 4.4 | 4.8 | 4.9 | 5.4 |