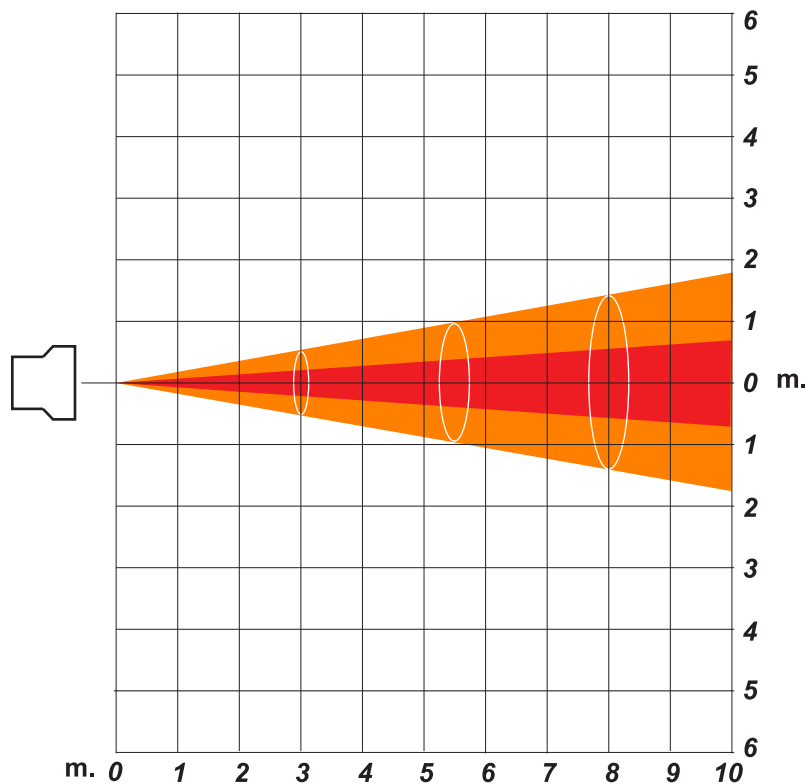


## 12° Lenses

| Distance (m.)            | 1     | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | Lumen |
|--------------------------|-------|------|------|------|------|------|------|------|------|------|-------|
| Luminous emittance (Lux) | 12902 | 3225 | 1434 | 806  | 516  | 358  | 263  | 202  | 159  | 129  | 197   |
| Ø 1/2 peak angle m.      | 0,15  | 0,29 | 0,44 | 0,58 | 0,73 | 0,88 | 1,02 | 1,17 | 1,31 | 1,46 |       |
| Ø 1/10 peak angle m.     | 0,36  | 0,72 | 1,08 | 1,44 | 1,80 | 2,16 | 2,53 | 2,89 | 3,25 | 3,61 |       |

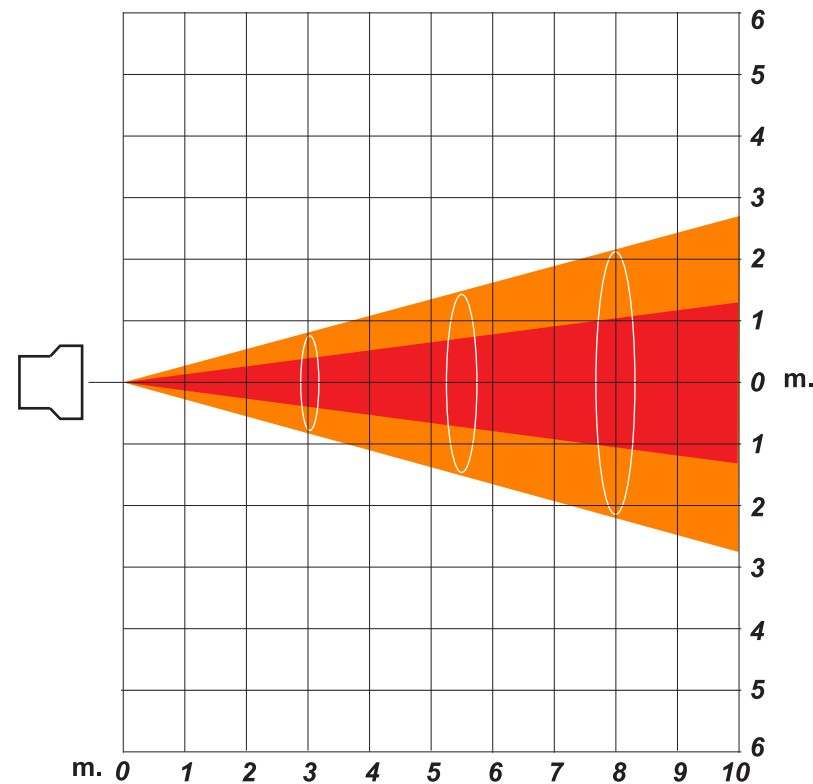


1/2 peak angle: 8°

1/10 peak angle: 20°

## 30° Lenses

| Distance (m.)            | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | Lumen |
|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|
| Luminous emittance (Lux) | 4320 | 1080 | 480  | 270  | 173  | 120  | 88   | 68   | 53   | 43   | 232   |
| Ø 1/2 peak angle m.      | 0,27 | 0,55 | 0,82 | 1,10 | 1,37 | 1,65 | 1,92 | 2,20 | 2,47 | 2,75 |       |
| Ø 1/10 peak angle m.     | 0,55 | 1,09 | 1,64 | 2,18 | 2,73 | 3,27 | 3,82 | 4,36 | 4,91 | 5,45 |       |



1/2 peak angle: 15°

1/10 peak angle: 30°



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Prodotto/Product:  
**PCB12 LED 3200°K**

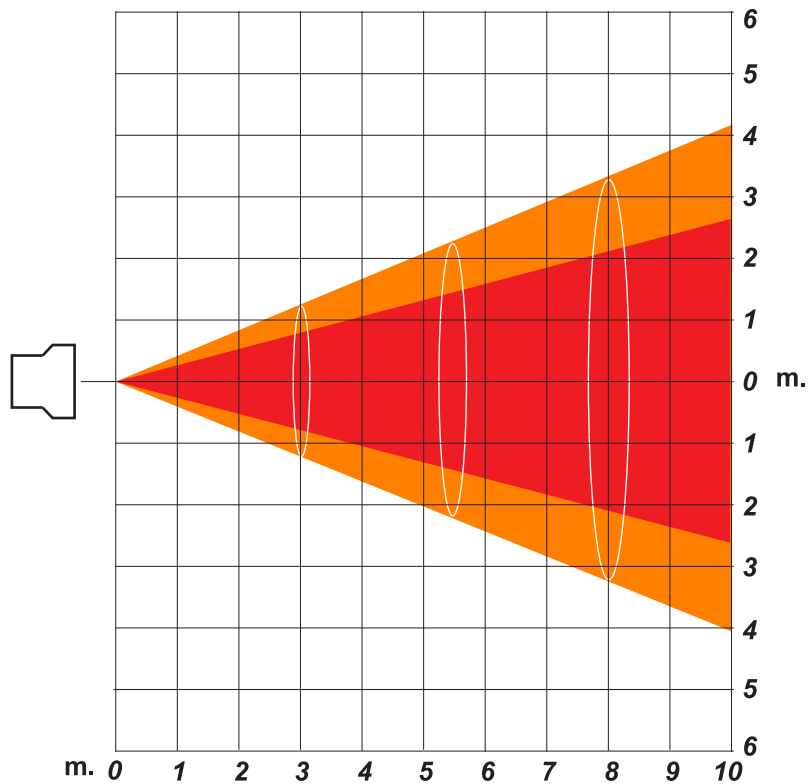
Lampada/Lamp

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## 50° Lenses

| Distance (m.)            | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | Lumen |
|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|
| Luminous emittance (Lux) | 1152 | 288  | 128  | 72   | 46   | 32   | 24   | 18   | 14   | 12   | 246   |
| Ø 1/2 peak angle m.      | 0,55 | 1,10 | 1,65 | 2,20 | 2,75 | 3,30 | 3,85 | 4,40 | 4,95 | 5,5  |       |
| Ø 1/10 peak angle m.     | 0,82 | 1,65 | 2,47 | 3,29 | 4,11 | 4,94 | 5,76 | 6,58 | 7,40 | 8,23 |       |



**1/2 peak angle: 30°**

**1/10 peak angle: 45°**



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Prodotto/Product:  
**PCB12 LED 3200°K**

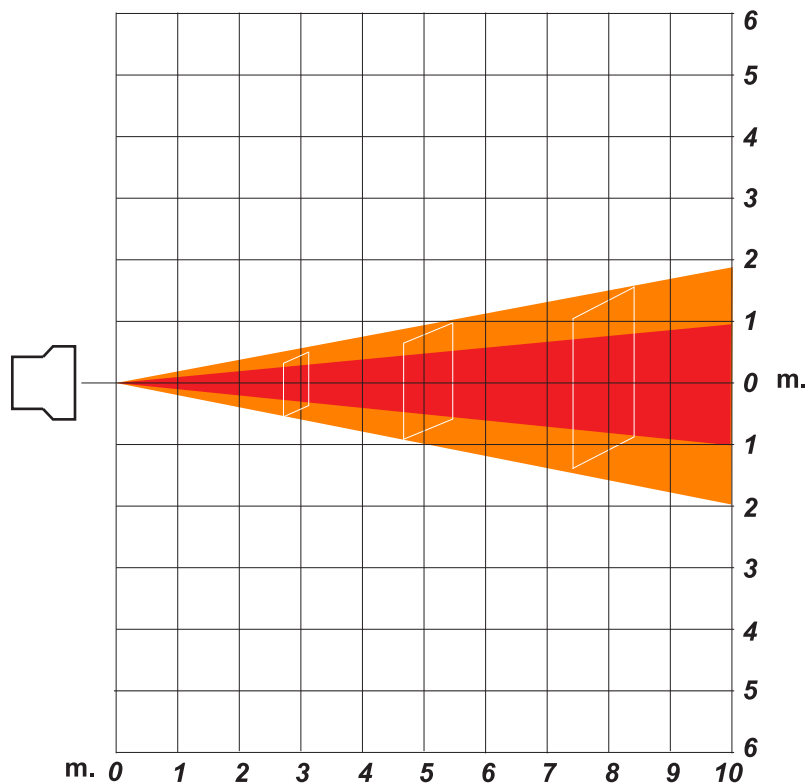
Lampada/Lamp

Date : 11/04/2012

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## Elliptic lenses- Vertical beam

| Distance (m.)            | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | Lumen |
|--------------------------|------|------|------|------|------|------|------|------|------|------|-------|
| Luminous emittance (Lux) | 3083 | 771  | 343  | 193  | 123  | 86   | 63   | 48   | 38   | 31   | 344   |
| Ø 1/2 peak angle m.      | 0,20 | 0,40 | 0,59 | 0,79 | 0,99 | 1,19 | 1,39 | 1,58 | 1,78 | 1,98 |       |
| Ø 1/10 peak angle m.     | 0,40 | 0,80 | 1,21 | 1,61 | 2,01 | 2,41 | 2,82 | 3,22 | 3,62 | 4,02 |       |

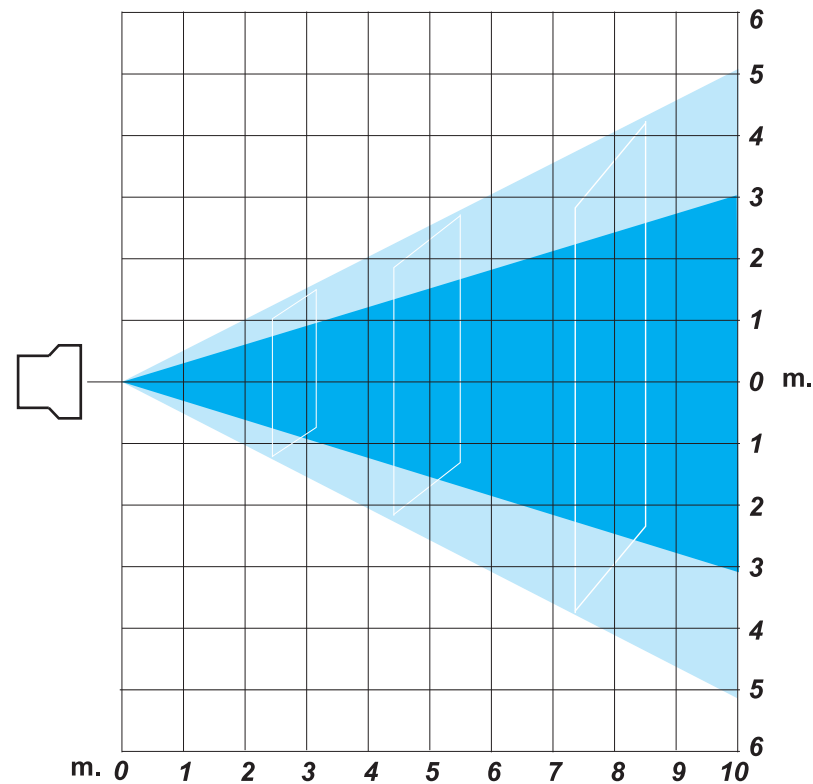


1/2 peak angle: 11°

1/10 peak angle: 22°

## Elliptic lenses- Horizontal beam

| Distance (m.)        | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   |
|----------------------|------|------|------|------|------|------|------|------|------|------|
| Ø 1/2 peak angle m.  | 0,63 | 1,26 | 1,88 | 2,51 | 3,14 | 3,77 | 4,40 | 5,02 | 5,65 | 6,28 |
| Ø 1/10 peak angle m. | 0,81 | 1,61 | 2,42 | 3,23 | 4,04 | 4,84 | 5,65 | 6,46 | 7,26 | 8,7  |



1/2 peak angle: 34°

1/10 peak angle: 54°



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