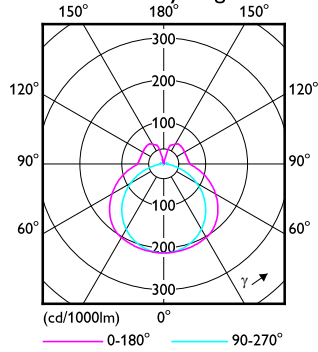


**1 x PLED 16.5W 3000K 9290042678**

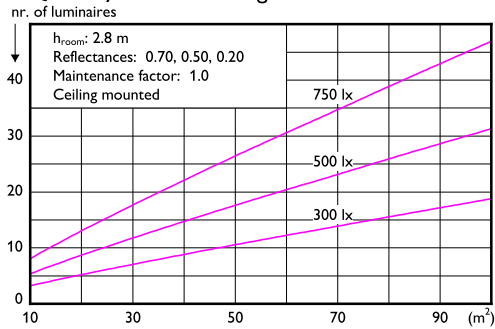
1 x 2000 lm

**Polar intensity diagram**

Light output ratio 1.00  
 Service upward 0.23  
 Service downward 0.77

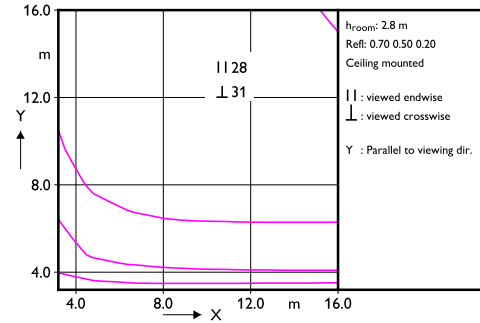
CIE flux code 39 69 89 77 100

UGRcen (4Hx8H, 0.25H) 30

**Quantity estimation diagram****Utilisation factor table**

| Room<br>Index<br>k | Reflectances (%) for ceiling, walls and working plane (CIE) |      |      |                     |      |      |      |           |      |           |      |  |      |
|--------------------|-------------------------------------------------------------|------|------|---------------------|------|------|------|-----------|------|-----------|------|--|------|
|                    | 0.80 0.80                                                   |      |      | 0.70 0.70 0.70 0.70 |      |      |      | 0.50 0.50 |      | 0.30 0.30 |      |  | 0.00 |
|                    | 0.50 0.50                                                   |      |      | 0.50 0.50 0.50 0.30 |      |      |      | 0.30 0.10 |      | 0.30 0.10 |      |  | 0.00 |
|                    | 0.30 0.10                                                   |      |      | 0.30 0.20 0.10 0.10 |      |      |      | 0.10 0.10 |      | 0.10 0.10 |      |  | 0.00 |
| 0.60               | 0.42                                                        | 0.40 | 0.40 | 0.39                | 0.38 | 0.31 | 0.29 | 0.24      | 0.27 | 0.23      | 0.19 |  |      |
| 0.80               | 0.52                                                        | 0.48 | 0.49 | 0.48                | 0.46 | 0.39 | 0.36 | 0.31      | 0.34 | 0.29      | 0.25 |  |      |
| 1.00               | 0.60                                                        | 0.55 | 0.57 | 0.55                | 0.53 | 0.46 | 0.43 | 0.38      | 0.40 | 0.35      | 0.30 |  |      |
| 1.25               | 0.68                                                        | 0.62 | 0.64 | 0.62                | 0.60 | 0.52 | 0.49 | 0.44      | 0.45 | 0.41      | 0.36 |  |      |
| 1.50               | 0.74                                                        | 0.67 | 0.70 | 0.67                | 0.65 | 0.58 | 0.54 | 0.49      | 0.50 | 0.46      | 0.40 |  |      |
| 2.00               | 0.84                                                        | 0.75 | 0.79 | 0.75                | 0.72 | 0.66 | 0.61 | 0.57      | 0.57 | 0.53      | 0.47 |  |      |
| 2.50               | 0.90                                                        | 0.80 | 0.85 | 0.81                | 0.76 | 0.71 | 0.66 | 0.62      | 0.61 | 0.58      | 0.51 |  |      |
| 3.00               | 0.95                                                        | 0.83 | 0.90 | 0.84                | 0.80 | 0.75 | 0.70 | 0.66      | 0.65 | 0.62      | 0.54 |  |      |
| 4.00               | 1.01                                                        | 0.87 | 0.95 | 0.89                | 0.84 | 0.80 | 0.75 | 0.72      | 0.69 | 0.67      | 0.59 |  |      |
| 5.00               | 1.05                                                        | 0.90 | 0.99 | 0.93                | 0.87 | 0.83 | 0.78 | 0.75      | 0.72 | 0.70      | 0.62 |  |      |

Ceiling mounted

**UGR diagram****Luminance Table**

| Plane Cone | 0.0   | 15.0  | 30.0  | 45.0  | 60.0  | 75.0  | 90.0  |
|------------|-------|-------|-------|-------|-------|-------|-------|
| 45.0       | 40358 | 39716 | 39673 | 38663 | 38084 | 38431 | 39098 |
| 50.0       | 39854 | 39125 | 39071 | 38116 | 37656 | 37676 | 38018 |
| 55.0       | 39299 | 38447 | 38352 | 37378 | 36965 | 36660 | 36665 |
| 60.0       | 38782 | 37755 | 37574 | 36425 | 35888 | 35267 | 34931 |
| 65.0       | 38341 | 37113 | 36837 | 35355 | 34517 | 33428 | 32531 |
| 70.0       | 38082 | 36603 | 36207 | 34232 | 32907 | 31424 | 30010 |
| 75.0       | 38065 | 36253 | 35693 | 33283 | 31542 | 28966 | 25924 |
| 80.0       | 38396 | 36208 | 35513 | 32437 | 29992 | 26261 | 21016 |
| 85.0       | 39729 | 37191 | 36556 | 32711 | 29458 | 25458 | 18503 |
| 90.0       | 44900 | 42466 | 42955 | 39711 | 38297 | 38706 | 48707 |

(cd/m<sup>2</sup>)

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2025-04-16