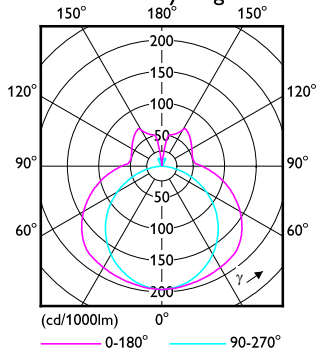
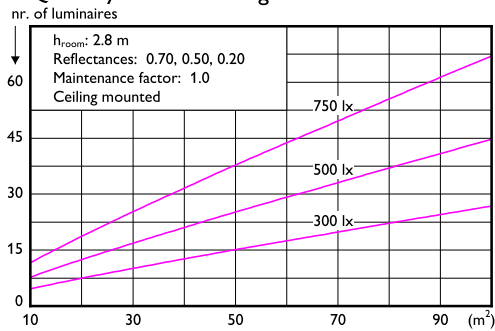


**1 x PLL 12W 4000K 9290035925****1 x 1500 lm****Polar intensity diagram**

Light output ratio 0.94  
Service upward 0.23  
Service downward 0.71

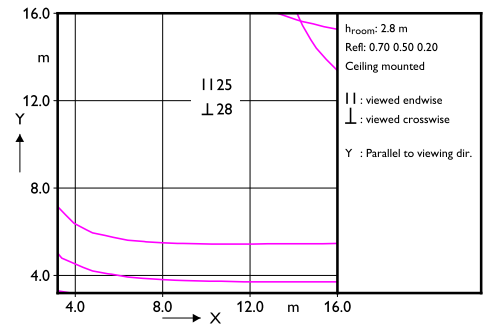
CIE flux code 38 68 89 76 94

UGRcen (4Hx8H, 0.25H) 28

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

| Room Index k | Reflectances (%) for ceiling, walls and working plane (CIE) |      |      |      |           |      |      |      |           |      |      |      |
|--------------|-------------------------------------------------------------|------|------|------|-----------|------|------|------|-----------|------|------|------|
|              | 0.80 0.80                                                   |      |      |      | 0.70 0.70 |      |      |      | 0.50 0.50 |      |      |      |
|              | 0.50                                                        | 0.50 | 0.30 | 0.10 | 0.50      | 0.50 | 0.30 | 0.10 | 0.50      | 0.50 | 0.30 | 0.10 |
| 0.60         | 0.39                                                        | 0.37 | 0.37 | 0.36 | 0.35      | 0.28 | 0.26 | 0.22 | 0.25      | 0.21 | 0.17 |      |
| 0.80         | 0.48                                                        | 0.45 | 0.46 | 0.44 | 0.43      | 0.36 | 0.33 | 0.29 | 0.31      | 0.27 | 0.23 |      |
| 1.00         | 0.56                                                        | 0.52 | 0.53 | 0.51 | 0.49      | 0.42 | 0.39 | 0.35 | 0.36      | 0.32 | 0.28 |      |
| 1.25         | 0.63                                                        | 0.58 | 0.60 | 0.58 | 0.55      | 0.49 | 0.45 | 0.41 | 0.42      | 0.38 | 0.33 |      |
| 1.50         | 0.69                                                        | 0.63 | 0.66 | 0.63 | 0.60      | 0.54 | 0.50 | 0.45 | 0.46      | 0.42 | 0.37 |      |
| 2.00         | 0.78                                                        | 0.70 | 0.74 | 0.70 | 0.67      | 0.61 | 0.57 | 0.53 | 0.52      | 0.49 | 0.43 |      |
| 2.50         | 0.84                                                        | 0.74 | 0.80 | 0.75 | 0.71      | 0.66 | 0.62 | 0.58 | 0.57      | 0.54 | 0.47 |      |
| 3.00         | 0.89                                                        | 0.78 | 0.84 | 0.79 | 0.75      | 0.70 | 0.65 | 0.62 | 0.60      | 0.57 | 0.50 |      |
| 4.00         | 0.95                                                        | 0.82 | 0.89 | 0.84 | 0.79      | 0.75 | 0.69 | 0.67 | 0.64      | 0.62 | 0.54 |      |
| 5.00         | 0.99                                                        | 0.85 | 0.93 | 0.87 | 0.81      | 0.78 | 0.72 | 0.70 | 0.67      | 0.65 | 0.57 |      |

Ceiling mounted

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

| Plane Cone | 0.0   | 15.0  | 30.0  | 45.0  | 60.0  | 75.0  | 90.0  |
|------------|-------|-------|-------|-------|-------|-------|-------|
| 45.0       | 22347 | 21382 | 20923 | 20087 | 19602 | 20872 | 22734 |
| 50.0       | 21903 | 20904 | 20457 | 19470 | 18844 | 20033 | 21880 |
| 55.0       | 21348 | 20292 | 19832 | 18764 | 18072 | 19117 | 20873 |
| 60.0       | 20737 | 19589 | 19079 | 18003 | 17327 | 18104 | 19596 |
| 65.0       | 20098 | 18835 | 18249 | 17161 | 16493 | 16910 | 17987 |
| 70.0       | 19378 | 17989 | 17318 | 16090 | 15266 | 15343 | 15983 |
| 75.0       | 18681 | 17139 | 16360 | 14851 | 13675 | 13423 | 13570 |
| 80.0       | 17946 | 16254 | 15371 | 13528 | 11896 | 11116 | 10237 |
| 85.0       | 17244 | 15369 | 14363 | 12161 | 9984  | 8476  | 5556  |
| 90.0       | 16624 | 14476 | 13266 | 10794 | 8107  | 6570  | 1881  |

(cd/m²)

s22100006d

2022-10-28