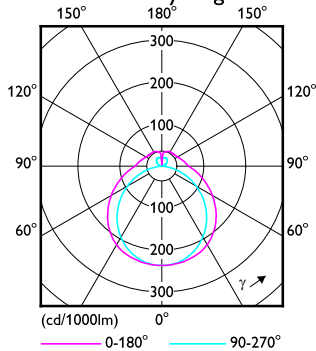
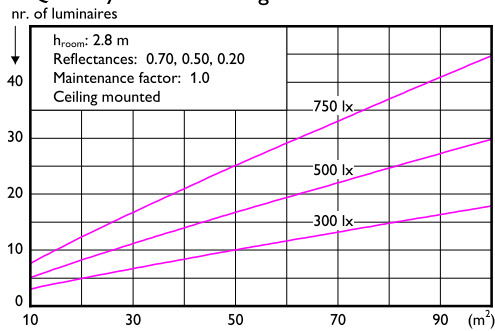


**1 x PLL 17W 3000K 9290030975****1 x 2100 lm****Polar intensity diagram**

Light output ratio 0.98  
 Service upward 0.20  
 Service downward 0.78

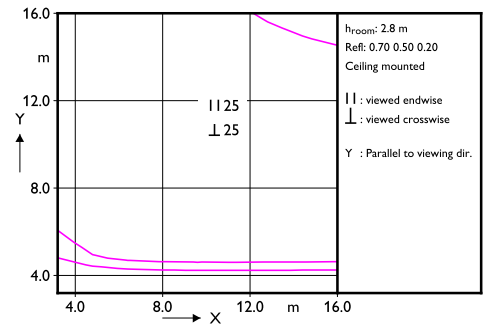
CIE flux code 41 71 90 80 98

UGRcen (4Hx8H, 0.25H) 25

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

| Room Index k | Reflectances (%) for ceiling, walls and working plane (CIE) |      |      |      |      |      |      |      |      |      |      |      |
|--------------|-------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|
|              | 0.80                                                        |      |      | 0.70 |      |      | 0.50 |      |      | 0.30 |      |      |
|              | 0.80                                                        |      |      | 0.70 |      |      | 0.50 |      |      | 0.30 |      |      |
|              | 0.50                                                        |      |      | 0.50 |      |      | 0.30 |      |      | 0.10 |      |      |
| 0.60         | 0.42                                                        | 0.40 | 0.40 | 0.39 | 0.38 | 0.31 | 0.30 | 0.25 | 0.28 | 0.24 | 0.21 | 0.21 |
| 0.80         | 0.52                                                        | 0.49 | 0.50 | 0.48 | 0.47 | 0.39 | 0.37 | 0.32 | 0.35 | 0.31 | 0.27 | 0.27 |
| 1.00         | 0.60                                                        | 0.56 | 0.57 | 0.55 | 0.54 | 0.46 | 0.44 | 0.39 | 0.41 | 0.37 | 0.32 | 0.32 |
| 1.25         | 0.68                                                        | 0.62 | 0.65 | 0.62 | 0.60 | 0.53 | 0.50 | 0.45 | 0.47 | 0.43 | 0.38 | 0.38 |
| 1.50         | 0.74                                                        | 0.67 | 0.71 | 0.67 | 0.65 | 0.58 | 0.55 | 0.50 | 0.51 | 0.47 | 0.42 | 0.42 |
| 2.00         | 0.83                                                        | 0.74 | 0.79 | 0.75 | 0.72 | 0.66 | 0.62 | 0.58 | 0.58 | 0.55 | 0.49 | 0.49 |
| 2.50         | 0.90                                                        | 0.79 | 0.85 | 0.81 | 0.76 | 0.71 | 0.67 | 0.63 | 0.63 | 0.59 | 0.53 | 0.53 |
| 3.00         | 0.94                                                        | 0.83 | 0.89 | 0.84 | 0.80 | 0.75 | 0.70 | 0.67 | 0.66 | 0.63 | 0.57 | 0.57 |
| 4.00         | 1.00                                                        | 0.87 | 0.95 | 0.89 | 0.84 | 0.80 | 0.75 | 0.72 | 0.70 | 0.68 | 0.61 | 0.61 |
| 5.00         | 1.04                                                        | 0.89 | 0.99 | 0.92 | 0.86 | 0.83 | 0.78 | 0.75 | 0.73 | 0.71 | 0.64 | 0.64 |

Ceiling mounted

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

| Plane Cone | 0.0   | 15.0  | 30.0  | 45.0  | 60.0  | 75.0  | 90.0  |
|------------|-------|-------|-------|-------|-------|-------|-------|
| 45.0       | 13987 | 13952 | 14552 | 15523 | 17508 | 21449 | 29287 |
| 50.0       | 12655 | 12591 | 13135 | 14021 | 15908 | 19759 | 28039 |
| 55.0       | 11415 | 11318 | 11799 | 12564 | 14290 | 17974 | 26607 |
| 60.0       | 10270 | 10136 | 10545 | 11141 | 12624 | 16059 | 24933 |
| 65.0       | 9207  | 9044  | 9388  | 9798  | 11002 | 14055 | 22915 |
| 70.0       | 8250  | 8039  | 8296  | 8519  | 9423  | 11932 | 20346 |
| 75.0       | 7418  | 7158  | 7329  | 7341  | 7895  | 9693  | 17016 |
| 80.0       | 6697  | 6397  | 6493  | 6258  | 6386  | 7356  | 12679 |
| 85.0       | 6030  | 5721  | 5781  | 5357  | 5140  | 5230  | 6931  |
| 90.0       | 5430  | 5092  | 5092  | 4538  | 4047  | 3691  | 1095  |

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

2021-07-19