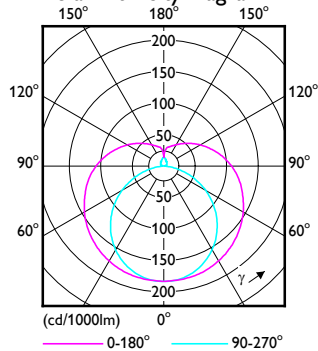
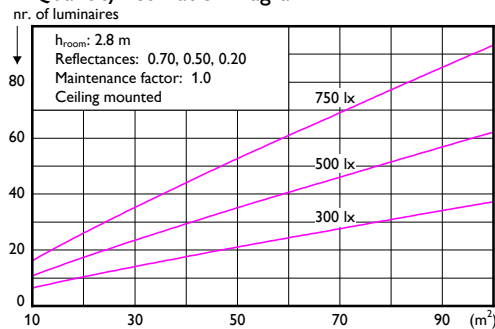


**TLED 8W 1 x TLED 8W 4000K 200D 9290013908****1 x 1050 lm****Polar intensity diagram**

Light output ratio 1.00  
 Service upward 0.26  
 Service downward 0.74

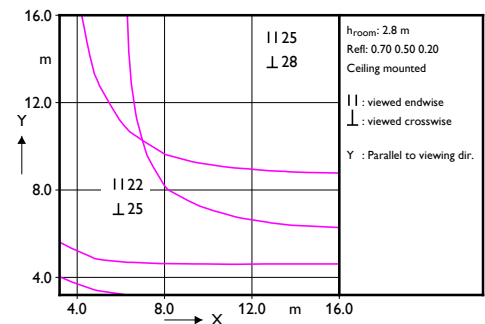
CIE flux code 35 63 84 74 100

UGRcen (4Hx8H, 0.25H) 26

**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 |      |      |
|              | 0.80                                                        | 0.50 | 0.30 | 0.80 | 0.50 | 0.30 | 0.80 | 0.50 | 0.30 | 0.80 | 0.50 | 0.30 |
| 0.60         | 0.40                                                        | 0.38 | 0.38 | 0.37 | 0.36 | 0.29 | 0.26 | 0.22 | 0.24 | 0.20 | 0.17 | 0.17 |
| 0.80         | 0.49                                                        | 0.46 | 0.47 | 0.45 | 0.44 | 0.36 | 0.34 | 0.29 | 0.31 | 0.26 | 0.22 | 0.22 |
| 1.00         | 0.57                                                        | 0.53 | 0.54 | 0.52 | 0.51 | 0.43 | 0.39 | 0.34 | 0.36 | 0.32 | 0.26 | 0.26 |
| 1.25         | 0.65                                                        | 0.60 | 0.61 | 0.59 | 0.57 | 0.49 | 0.45 | 0.40 | 0.42 | 0.37 | 0.31 | 0.31 |
| 1.50         | 0.71                                                        | 0.64 | 0.67 | 0.64 | 0.62 | 0.54 | 0.50 | 0.45 | 0.46 | 0.42 | 0.35 | 0.35 |
| 2.00         | 0.80                                                        | 0.72 | 0.76 | 0.72 | 0.69 | 0.62 | 0.57 | 0.53 | 0.52 | 0.48 | 0.41 | 0.41 |
| 2.50         | 0.87                                                        | 0.77 | 0.82 | 0.77 | 0.73 | 0.67 | 0.62 | 0.58 | 0.57 | 0.53 | 0.46 | 0.46 |
| 3.00         | 0.92                                                        | 0.80 | 0.86 | 0.81 | 0.77 | 0.71 | 0.66 | 0.62 | 0.60 | 0.57 | 0.49 | 0.49 |
| 4.00         | 0.98                                                        | 0.85 | 0.92 | 0.86 | 0.81 | 0.77 | 0.71 | 0.67 | 0.65 | 0.62 | 0.53 | 0.53 |
| 5.00         | 1.02                                                        | 0.88 | 0.96 | 0.90 | 0.84 | 0.80 | 0.74 | 0.71 | 0.68 | 0.65 | 0.56 | 0.56 |

Ceiling mounted

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

| Plane Cone | 0.0   | 15.0  | 30.0  | 45.0  | 60.0  | 75.0  | 90.0  |
|------------|-------|-------|-------|-------|-------|-------|-------|
| 45.0       | 10632 | 10594 | 10641 | 10832 | 11346 | 12517 | 15171 |
| 50.0       | 10339 | 10283 | 10276 | 10389 | 10791 | 11858 | 14745 |
| 55.0       | 10102 | 10019 | 9968  | 9979  | 10229 | 11137 | 14158 |
| 60.0       | 9903  | 9838  | 9703  | 9621  | 9685  | 10362 | 13505 |
| 65.0       | 9746  | 9657  | 9491  | 9327  | 9187  | 9505  | 12580 |
| 70.0       | 9656  | 9561  | 9353  | 9096  | 8745  | 8610  | 11432 |
| 75.0       | 9663  | 9488  | 9317  | 8983  | 8427  | 7695  | 9844  |
| 80.0       | 9727  | 9594  | 9376  | 8937  | 8203  | 6808  | 7543  |
| 85.0       | 9836  | 9700  | 9448  | 8967  | 8152  | 6144  | 4269  |
| 90.0       | 10000 | 9857  | 9622  | 9202  | 8308  | 6072  | 1698  |

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

2017-05-24