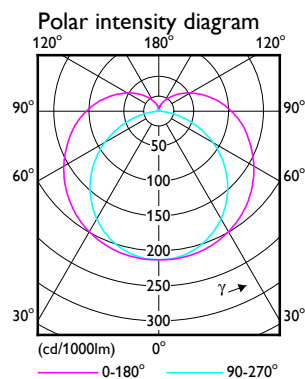


**1 x TLED 13W 3000K 180D 9290013976**

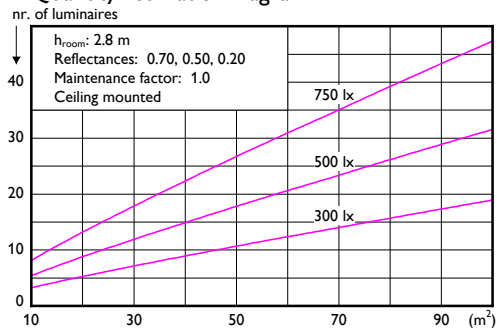
1 x 2000 lm



Light output ratio 1.00  
 Service upward 0.19  
 Service downward 0.81

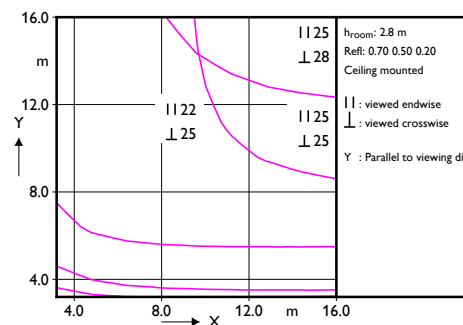
CIE flux code 37 65 86 81 100

UGRcen (4Hx8H, 0.25H) 25

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

| Room Index k | Reflectances (%) for ceiling, walls and working plane (CIE) |      |      |      |      |      |      |      |      |      |      |      |
|--------------|-------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|
|              | 0.80                                                        | 0.80 | 0.70 | 0.70 | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 | 0.30 | 0.00 | 0.00 |
| 0.60         | 0.41                                                        | 0.39 | 0.40 | 0.39 | 0.38 | 0.30 | 0.29 | 0.24 | 0.27 | 0.23 | 0.19 |      |
| 0.80         | 0.51                                                        | 0.48 | 0.49 | 0.47 | 0.46 | 0.38 | 0.36 | 0.31 | 0.34 | 0.29 | 0.25 |      |
| 1.00         | 0.59                                                        | 0.55 | 0.56 | 0.54 | 0.53 | 0.45 | 0.42 | 0.37 | 0.39 | 0.35 | 0.30 |      |
| 1.25         | 0.67                                                        | 0.61 | 0.64 | 0.61 | 0.59 | 0.51 | 0.48 | 0.43 | 0.45 | 0.41 | 0.36 |      |
| 1.50         | 0.73                                                        | 0.66 | 0.70 | 0.67 | 0.64 | 0.57 | 0.53 | 0.48 | 0.50 | 0.45 | 0.40 |      |
| 2.00         | 0.82                                                        | 0.74 | 0.78 | 0.75 | 0.71 | 0.65 | 0.61 | 0.56 | 0.57 | 0.53 | 0.47 |      |
| 2.50         | 0.89                                                        | 0.79 | 0.85 | 0.80 | 0.76 | 0.70 | 0.66 | 0.61 | 0.61 | 0.58 | 0.52 |      |
| 3.00         | 0.94                                                        | 0.82 | 0.89 | 0.84 | 0.79 | 0.74 | 0.69 | 0.66 | 0.65 | 0.62 | 0.55 |      |
| 4.00         | 1.00                                                        | 0.87 | 0.95 | 0.89 | 0.84 | 0.79 | 0.74 | 0.71 | 0.70 | 0.67 | 0.60 |      |
| 5.00         | 1.04                                                        | 0.90 | 0.99 | 0.92 | 0.87 | 0.83 | 0.78 | 0.75 | 0.73 | 0.70 | 0.63 |      |

Ceiling mounted

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

| Plane Cone | 0.0  | 15.0 | 30.0 | 45.0 | 60.0 | 75.0 | 90.0  |
|------------|------|------|------|------|------|------|-------|
| 45.0       | 7599 | 7581 | 7657 | 7880 | 8359 | 9339 | 11372 |
| 50.0       | 7316 | 7283 | 7328 | 7506 | 7914 | 8849 | 11068 |
| 55.0       | 7056 | 7012 | 7030 | 7135 | 7458 | 8302 | 10681 |
| 60.0       | 6826 | 6790 | 6753 | 6805 | 7004 | 7704 | 10184 |
| 65.0       | 6622 | 6585 | 6507 | 6485 | 6561 | 7049 | 9537  |
| 70.0       | 6455 | 6399 | 6303 | 6220 | 6150 | 6331 | 8693  |
| 75.0       | 6347 | 6265 | 6162 | 6010 | 5782 | 5564 | 7521  |
| 80.0       | 6269 | 6195 | 6058 | 5826 | 5463 | 4761 | 5812  |
| 85.0       | 6200 | 6119 | 5959 | 5694 | 5216 | 4050 | 3289  |
| 90.0       | 6158 | 6060 | 5890 | 5602 | 5052 | 3628 | 1531  |

(cd/m²)

2017-10-11