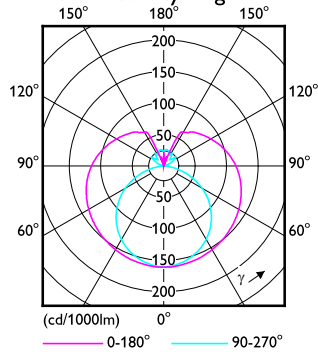


**1 x TLED 16W 4000K 9290043007**

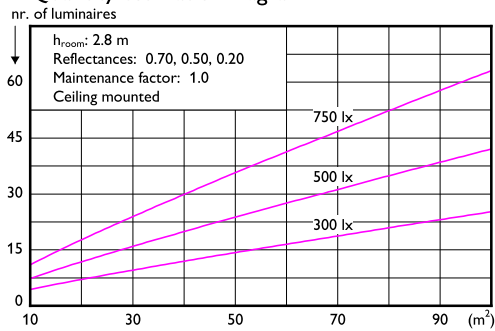
1 x 1600 lm

**Polar intensity diagram**

Light output ratio 1.00  
 Service upward 0.32  
 Service downward 0.68

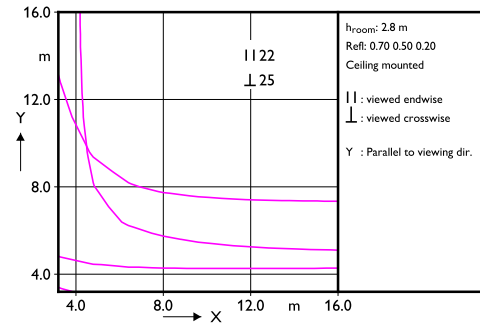
CIE flux code 33 60 82 68 100

UGRcen (4Hx8H, 0.25H) 24

**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 | 0.50 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      | 0.36      | 0.36      | 0.35      | 0.27      | 0.25      | 0.20      | 0.22      | 0.18      | 0.14      | 0.14      |
| 0.80         | 0.48                                                        | 0.45      | 0.45      | 0.44      | 0.43      | 0.35      | 0.32      | 0.27      | 0.28      | 0.24      | 0.19      | 0.19      |
| 1.00         | 0.56                                                        | 0.52      | 0.52      | 0.51      | 0.49      | 0.41      | 0.37      | 0.32      | 0.33      | 0.29      | 0.23      | 0.23      |
| 1.25         | 0.63                                                        | 0.58      | 0.59      | 0.57      | 0.55      | 0.47      | 0.43      | 0.38      | 0.38      | 0.34      | 0.27      | 0.27      |
| 1.50         | 0.69                                                        | 0.63      | 0.65      | 0.62      | 0.60      | 0.52      | 0.47      | 0.42      | 0.42      | 0.38      | 0.31      | 0.31      |
| 2.00         | 0.79                                                        | 0.70      | 0.73      | 0.70      | 0.66      | 0.60      | 0.54      | 0.50      | 0.48      | 0.45      | 0.36      | 0.36      |
| 2.50         | 0.85                                                        | 0.75      | 0.79      | 0.75      | 0.71      | 0.65      | 0.59      | 0.55      | 0.53      | 0.49      | 0.41      | 0.41      |
| 3.00         | 0.90                                                        | 0.78      | 0.84      | 0.79      | 0.74      | 0.69      | 0.62      | 0.59      | 0.56      | 0.53      | 0.44      | 0.44      |
| 4.00         | 0.96                                                        | 0.83      | 0.89      | 0.84      | 0.79      | 0.74      | 0.67      | 0.64      | 0.60      | 0.58      | 0.48      | 0.48      |
| 5.00         | 1.00                                                        | 0.86      | 0.93      | 0.87      | 0.82      | 0.78      | 0.70      | 0.67      | 0.63      | 0.61      | 0.51      | 0.51      |

Ceiling mounted

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

| Plane Cone | 0.0  | 15.0 | 30.0 | 45.0 | 60.0 | 75.0 | 90.0 |
|------------|------|------|------|------|------|------|------|
| 45.0       | 5513 | 5411 | 5493 | 5572 | 5849 | 6610 | 7864 |
| 50.0       | 5430 | 5308 | 5382 | 5403 | 5625 | 6376 | 7704 |
| 55.0       | 5381 | 5238 | 5304 | 5259 | 5412 | 6129 | 7501 |
| 60.0       | 5365 | 5202 | 5263 | 5144 | 5218 | 5857 | 7213 |
| 65.0       | 5383 | 5202 | 5261 | 5064 | 5049 | 5557 | 6801 |
| 70.0       | 5437 | 5238 | 5299 | 5026 | 4922 | 5225 | 6176 |
| 75.0       | 5532 | 5315 | 5383 | 5039 | 4853 | 4888 | 5303 |
| 80.0       | 5667 | 5434 | 5515 | 5118 | 4880 | 4586 | 3994 |
| 85.0       | 5852 | 5603 | 5706 | 5284 | 5041 | 4481 | 2138 |
| 90.0       | 6102 | 5835 | 5972 | 5546 | 5353 | 5009 | 1010 |

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

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