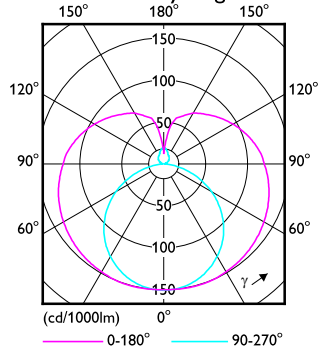


## 1 x TLED 18W 4000K 9290019998

1 x 1850 lm

Polar intensity diagram

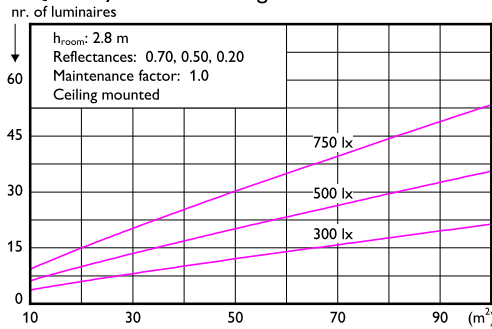


Light output ratio 1.03  
Service upward 0.36  
Service downward 0.67

CIE flux code 33 60 82 65 103

UGRcen (4Hx8H, 0.25H) 24

Quantity estimation diagram

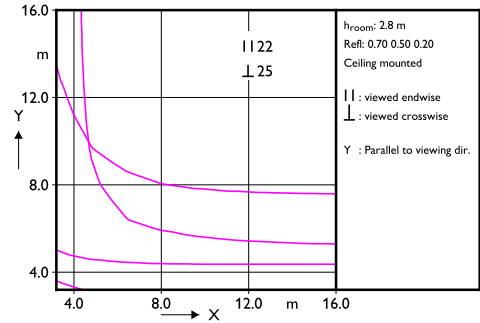


Utilisation factor table

| Room Index k | Reflectances (%) for ceiling, walls and working plane (CIE) |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|--------------|-------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|              | 0.80 0.80                                                   |           |           |           | 0.70 0.70 |           |           |           | 0.50 0.50 |           |           |           | 0.30 0.30 |           |           |           |
|              | 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 | 0.50 0.50 | 0.30 0.10 | 0.50 0.50 | 0.30 0.10 |
| 0.60         | 0.40                                                        | 0.38      | 0.37      | 0.36      | 0.36      | 0.28      | 0.25      | 0.21      | 0.23      | 0.19      | 0.14      | 0.14      | 0.14      | 0.14      | 0.14      | 0.14      |
| 0.80         | 0.49                                                        | 0.46      | 0.46      | 0.45      | 0.44      | 0.36      | 0.32      | 0.27      | 0.28      | 0.24      | 0.19      | 0.19      | 0.19      | 0.19      | 0.19      | 0.19      |
| 1.00         | 0.57                                                        | 0.53      | 0.53      | 0.52      | 0.50      | 0.42      | 0.38      | 0.33      | 0.33      | 0.29      | 0.23      | 0.23      | 0.23      | 0.23      | 0.23      | 0.23      |
| 1.25         | 0.65                                                        | 0.60      | 0.61      | 0.58      | 0.56      | 0.49      | 0.43      | 0.38      | 0.38      | 0.34      | 0.27      | 0.27      | 0.27      | 0.27      | 0.27      | 0.27      |
| 1.50         | 0.71                                                        | 0.65      | 0.66      | 0.64      | 0.61      | 0.54      | 0.48      | 0.43      | 0.42      | 0.38      | 0.30      | 0.30      | 0.30      | 0.30      | 0.30      | 0.30      |
| 2.00         | 0.81                                                        | 0.72      | 0.75      | 0.71      | 0.68      | 0.61      | 0.55      | 0.50      | 0.49      | 0.45      | 0.36      | 0.36      | 0.36      | 0.36      | 0.36      | 0.36      |
| 2.50         | 0.87                                                        | 0.77      | 0.81      | 0.77      | 0.73      | 0.67      | 0.60      | 0.55      | 0.53      | 0.50      | 0.40      | 0.40      | 0.40      | 0.40      | 0.40      | 0.40      |
| 3.00         | 0.92                                                        | 0.80      | 0.85      | 0.81      | 0.76      | 0.71      | 0.63      | 0.59      | 0.56      | 0.53      | 0.43      | 0.43      | 0.43      | 0.43      | 0.43      | 0.43      |
| 4.00         | 0.98                                                        | 0.85      | 0.91      | 0.86      | 0.81      | 0.76      | 0.68      | 0.65      | 0.61      | 0.58      | 0.47      | 0.47      | 0.47      | 0.47      | 0.47      | 0.47      |
| 5.00         | 1.03                                                        | 0.88      | 0.95      | 0.89      | 0.84      | 0.80      | 0.71      | 0.68      | 0.63      | 0.61      | 0.50      | 0.50      | 0.50      | 0.50      | 0.50      | 0.50      |

Ceiling mounted

UGR diagram



Luminance Table

| Plane Cone | 0.0  | 15.0 | 30.0 | 45.0 | 60.0 | 75.0 | 90.0 |
|------------|------|------|------|------|------|------|------|
| 45.0       | 5606 | 5437 | 5449 | 5652 | 5986 | 6601 | 7638 |
| 50.0       | 5550 | 5342 | 5324 | 5508 | 5800 | 6391 | 7465 |
| 55.0       | 5534 | 5284 | 5237 | 5402 | 5629 | 6162 | 7225 |
| 60.0       | 5549 | 5256 | 5178 | 5324 | 5469 | 5915 | 6919 |
| 65.0       | 5600 | 5264 | 5157 | 5287 | 5332 | 5657 | 6533 |
| 70.0       | 5696 | 5314 | 5177 | 5294 | 5208 | 5348 | 5932 |
| 75.0       | 5830 | 5407 | 5251 | 5374 | 5145 | 5066 | 5184 |
| 80.0       | 6013 | 5551 | 5384 | 5529 | 5159 | 4830 | 4147 |
| 85.0       | 6261 | 5759 | 5590 | 5781 | 5299 | 4749 | 2556 |
| 90.0       | 6585 | 6050 | 5897 | 6178 | 5758 | 5402 | 1898 |

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

2019-07-03