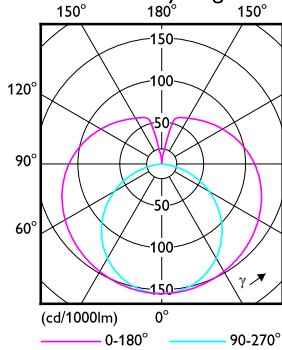


**1 x TLED 9W 4000K 9290031472**

1 x 850 lm

Polar intensity diagram

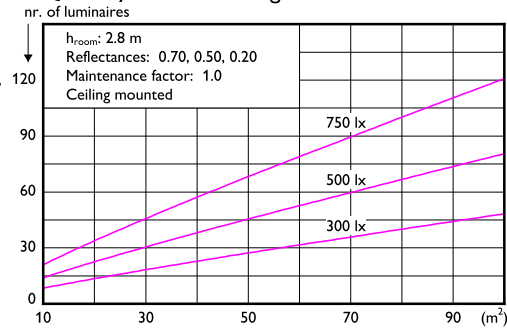


Light output ratio 0.98  
 Service upward 0.32  
 Service downward 0.66

CIE flux code 34 61 83 67 98

UGR<sub>cen</sub> (4Hx8H, 0.25H) 24

Quantity estimation diagram

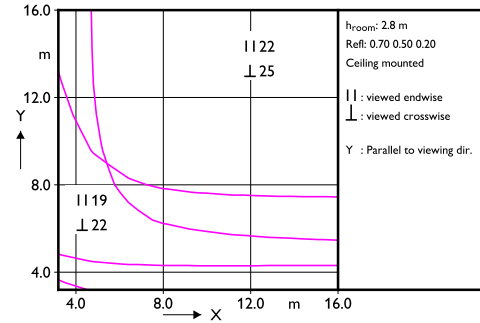


Utilisation factor table

| 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 |      |      |      |
|              | 0.80                                                        | 0.80 | 0.50 | 0.50 | 0.70      | 0.70 | 0.50 | 0.50 | 0.30      | 0.30 | 0.50 | 0.50 | 0.30      | 0.30 | 0.10 | 0.10 |
| 0.60         | 0.38                                                        | 0.36 | 0.36 | 0.35 | 0.34      | 0.27 | 0.25 | 0.20 | 0.22      | 0.18 | 0.14 | 0.14 | 0.14      | 0.14 | 0.14 | 0.14 |
| 0.80         | 0.47                                                        | 0.44 | 0.45 | 0.43 | 0.42      | 0.35 | 0.31 | 0.27 | 0.28      | 0.24 | 0.19 | 0.19 | 0.19      | 0.19 | 0.19 | 0.19 |
| 1.00         | 0.55                                                        | 0.51 | 0.52 | 0.50 | 0.48      | 0.41 | 0.37 | 0.32 | 0.33      | 0.29 | 0.23 | 0.23 | 0.23      | 0.23 | 0.23 | 0.23 |
| 1.25         | 0.62                                                        | 0.57 | 0.58 | 0.56 | 0.54      | 0.47 | 0.42 | 0.37 | 0.38      | 0.34 | 0.27 | 0.27 | 0.27      | 0.27 | 0.27 | 0.27 |
| 1.50         | 0.68                                                        | 0.62 | 0.64 | 0.61 | 0.59      | 0.52 | 0.47 | 0.42 | 0.42      | 0.38 | 0.30 | 0.30 | 0.30      | 0.30 | 0.30 | 0.30 |
| 2.00         | 0.77                                                        | 0.69 | 0.72 | 0.69 | 0.65      | 0.59 | 0.53 | 0.49 | 0.48      | 0.44 | 0.36 | 0.36 | 0.36      | 0.36 | 0.36 | 0.36 |
| 2.50         | 0.84                                                        | 0.74 | 0.78 | 0.74 | 0.70      | 0.64 | 0.58 | 0.54 | 0.52      | 0.49 | 0.40 | 0.40 | 0.40      | 0.40 | 0.40 | 0.40 |
| 3.00         | 0.88                                                        | 0.77 | 0.82 | 0.77 | 0.73      | 0.68 | 0.61 | 0.58 | 0.55      | 0.52 | 0.43 | 0.43 | 0.43      | 0.43 | 0.43 | 0.43 |
| 4.00         | 0.94                                                        | 0.82 | 0.88 | 0.82 | 0.78      | 0.73 | 0.66 | 0.63 | 0.59      | 0.57 | 0.47 | 0.47 | 0.47      | 0.47 | 0.47 | 0.47 |
| 5.00         | 0.99                                                        | 0.85 | 0.92 | 0.86 | 0.80      | 0.77 | 0.69 | 0.66 | 0.62      | 0.60 | 0.49 | 0.49 | 0.49      | 0.49 | 0.49 | 0.49 |

Ceiling mounted

UGR diagram



Luminance Table

| Plane Cone | 0.0  | 15.0 | 30.0 | 45.0 | 60.0 | 75.0 | 90.0 |
|------------|------|------|------|------|------|------|------|
| 45.0       | 5654 | 5533 | 5601 | 5633 | 5857 | 6575 | 7761 |
| 50.0       | 5571 | 5423 | 5475 | 5441 | 5598 | 6296 | 7532 |
| 55.0       | 5522 | 5347 | 5384 | 5278 | 5357 | 6003 | 7244 |
| 60.0       | 5506 | 5304 | 5328 | 5144 | 5134 | 5692 | 6882 |
| 65.0       | 5524 | 5295 | 5307 | 5044 | 4940 | 5365 | 6418 |
| 70.0       | 5578 | 5322 | 5327 | 4985 | 4788 | 5023 | 5797 |
| 75.0       | 5670 | 5391 | 5396 | 4981 | 4696 | 4677 | 4934 |
| 80.0       | 5808 | 5505 | 5515 | 5043 | 4695 | 4375 | 3740 |
| 85.0       | 5998 | 5675 | 5701 | 5198 | 4830 | 4231 | 2006 |
| 90.0       | 6254 | 5911 | 5968 | 5469 | 5156 | 4653 | 465  |

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