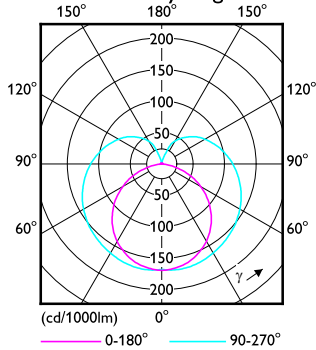


## 1 x TLED 16W 6500K 9290013811

1 x 2100 lm

Polar intensity diagram

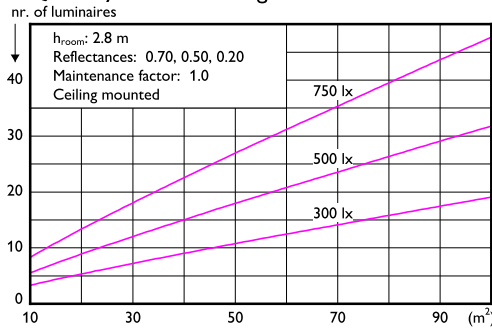


Light output ratio 0.99  
Service upward 0.28  
Service downward 0.71

CIE flux code 34 62 83 72 99

UGRcen (4Hx8H, 0.25H) 21

Quantity estimation diagram

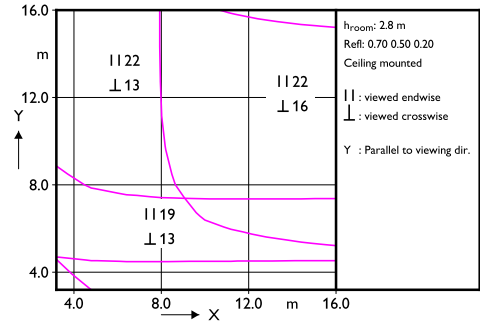


Utilisation factor table

| Room Index k | Reflectances (%) for ceiling, walls and working plane (CIE) |      |      |      |      |      |      |      |      |      |      |      |
|--------------|-------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|
|              | 0.80                                                        |      |      | 0.70 |      |      | 0.50 |      |      | 0.30 |      |      |
|              | 0.80                                                        | 0.50 | 0.30 | 0.80 | 0.50 | 0.30 | 0.80 | 0.50 | 0.30 | 0.80 | 0.50 | 0.30 |
| 0.60         | 0.39                                                        | 0.37 | 0.37 | 0.36 | 0.35 | 0.28 | 0.25 | 0.21 | 0.23 | 0.19 | 0.15 | 0.15 |
| 0.80         | 0.48                                                        | 0.45 | 0.46 | 0.44 | 0.43 | 0.35 | 0.32 | 0.27 | 0.29 | 0.25 | 0.20 | 0.20 |
| 1.00         | 0.56                                                        | 0.52 | 0.53 | 0.51 | 0.49 | 0.42 | 0.38 | 0.33 | 0.35 | 0.30 | 0.25 | 0.25 |
| 1.25         | 0.64                                                        | 0.58 | 0.60 | 0.58 | 0.55 | 0.48 | 0.44 | 0.39 | 0.40 | 0.36 | 0.29 | 0.29 |
| 1.50         | 0.70                                                        | 0.63 | 0.66 | 0.63 | 0.60 | 0.53 | 0.48 | 0.43 | 0.44 | 0.40 | 0.33 | 0.33 |
| 2.00         | 0.79                                                        | 0.70 | 0.74 | 0.70 | 0.67 | 0.61 | 0.55 | 0.51 | 0.50 | 0.47 | 0.39 | 0.39 |
| 2.50         | 0.85                                                        | 0.75 | 0.80 | 0.76 | 0.72 | 0.66 | 0.60 | 0.56 | 0.55 | 0.51 | 0.43 | 0.43 |
| 3.00         | 0.90                                                        | 0.79 | 0.84 | 0.79 | 0.75 | 0.70 | 0.64 | 0.60 | 0.58 | 0.55 | 0.46 | 0.46 |
| 4.00         | 0.96                                                        | 0.83 | 0.90 | 0.84 | 0.79 | 0.75 | 0.69 | 0.65 | 0.62 | 0.60 | 0.51 | 0.51 |
| 5.00         | 1.00                                                        | 0.86 | 0.94 | 0.88 | 0.82 | 0.78 | 0.72 | 0.69 | 0.65 | 0.63 | 0.54 | 0.54 |

Ceiling mounted

UGR diagram



Luminance Table

| Plane Cone | 0.0 | 15.0 | 30.0 | 45.0 | 60.0 | 75.0 | 90.0  |
|------------|-----|------|------|------|------|------|-------|
| 45.0       | 912 | 964  | 1069 | 1254 | 1498 | 1833 | 2264  |
| 50.0       | 816 | 874  | 994  | 1207 | 1482 | 1863 | 2391  |
| 55.0       | 714 | 782  | 926  | 1172 | 1478 | 1916 | 2538  |
| 60.0       | 606 | 692  | 864  | 1135 | 1480 | 1978 | 2749  |
| 65.0       | 499 | 596  | 802  | 1103 | 1490 | 2065 | 3021  |
| 70.0       | 384 | 499  | 745  | 1085 | 1517 | 2188 | 3400  |
| 75.0       | 257 | 411  | 698  | 1072 | 1560 | 2348 | 3960  |
| 80.0       | 139 | 329  | 657  | 1071 | 1622 | 2568 | 4857  |
| 85.0       | 38  | 268  | 630  | 1087 | 1709 | 2884 | 6513  |
| 90.0       | 8   | 231  | 621  | 1119 | 1843 | 3364 | 10516 |

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

2025-07-09