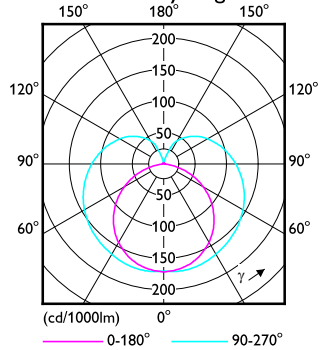


**1 x TLED 8W 4000K 9290013807**

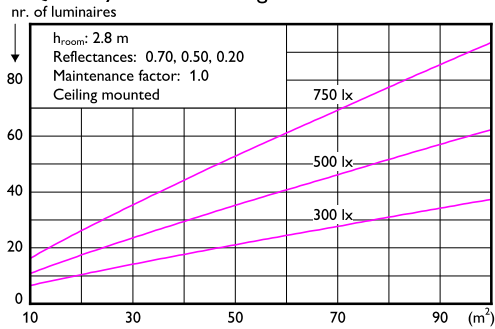
1 x 1050 lm

**Polar intensity diagram**

Light output ratio 1.01  
 Service upward 0.28  
 Service downward 0.73

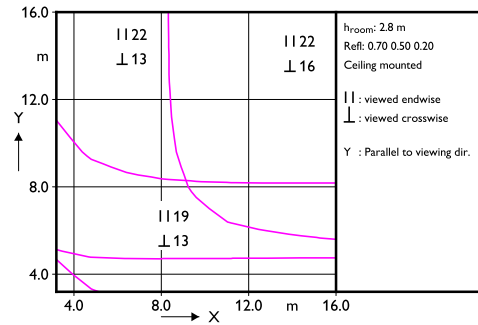
CIE flux code 34 62 83 72 101

UGRcen (4Hx8H, 0.25H) 21

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

| Room Index k | Reflectances (%) for ceiling, walls and working plane (CIE) |           |           |           |                     |           |           |           |                     |           |           |           |
|--------------|-------------------------------------------------------------|-----------|-----------|-----------|---------------------|-----------|-----------|-----------|---------------------|-----------|-----------|-----------|
|              | 0.80 0.80                                                   |           |           |           | 0.70 0.70 0.70 0.70 |           |           |           | 0.50 0.50 0.30 0.30 |           |           |           |
|              | 0.50 0.50                                                   | 0.30 0.10 | 0.30 0.20 | 0.10 0.10 | 0.50 0.50           | 0.30 0.10 | 0.30 0.10 | 0.10 0.10 | 0.50 0.50           | 0.30 0.10 | 0.30 0.10 | 0.10 0.10 |
| 0.60         | 0.39                                                        | 0.38      | 0.37      | 0.37      | 0.36                | 0.28      | 0.26      | 0.21      | 0.24                | 0.20      | 0.16      | 0.16      |
| 0.80         | 0.49                                                        | 0.46      | 0.46      | 0.45      | 0.44                | 0.36      | 0.33      | 0.28      | 0.30                | 0.26      | 0.21      | 0.21      |
| 1.00         | 0.57                                                        | 0.53      | 0.54      | 0.52      | 0.50                | 0.43      | 0.39      | 0.34      | 0.35                | 0.31      | 0.25      | 0.25      |
| 1.25         | 0.65                                                        | 0.59      | 0.61      | 0.59      | 0.57                | 0.49      | 0.45      | 0.40      | 0.41                | 0.36      | 0.30      | 0.30      |
| 1.50         | 0.71                                                        | 0.64      | 0.67      | 0.64      | 0.61                | 0.54      | 0.49      | 0.44      | 0.45                | 0.41      | 0.34      | 0.34      |
| 2.00         | 0.80                                                        | 0.72      | 0.76      | 0.72      | 0.68                | 0.62      | 0.57      | 0.52      | 0.51                | 0.48      | 0.40      | 0.40      |
| 2.50         | 0.87                                                        | 0.77      | 0.82      | 0.77      | 0.73                | 0.67      | 0.61      | 0.57      | 0.56                | 0.52      | 0.44      | 0.44      |
| 3.00         | 0.92                                                        | 0.80      | 0.86      | 0.81      | 0.77                | 0.71      | 0.65      | 0.61      | 0.59                | 0.56      | 0.47      | 0.47      |
| 4.00         | 0.98                                                        | 0.85      | 0.92      | 0.86      | 0.81                | 0.76      | 0.70      | 0.66      | 0.64                | 0.61      | 0.52      | 0.52      |
| 5.00         | 1.02                                                        | 0.88      | 0.96      | 0.89      | 0.84                | 0.80      | 0.73      | 0.70      | 0.67                | 0.64      | 0.55      | 0.55      |

Ceiling mounted

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

| Plane Cone | 0.0 | 15.0 | 30.0 | 45.0 | 60.0 | 75.0 | 90.0 |
|------------|-----|------|------|------|------|------|------|
| 45.0       | 925 | 962  | 1050 | 1212 | 1424 | 1709 | 2066 |
| 50.0       | 827 | 870  | 974  | 1161 | 1399 | 1719 | 2146 |
| 55.0       | 724 | 779  | 904  | 1122 | 1385 | 1747 | 2236 |
| 60.0       | 615 | 688  | 841  | 1081 | 1375 | 1781 | 2366 |
| 65.0       | 507 | 591  | 779  | 1045 | 1372 | 1833 | 2529 |
| 70.0       | 389 | 494  | 721  | 1022 | 1384 | 1909 | 2746 |
| 75.0       | 261 | 407  | 673  | 1004 | 1408 | 2007 | 3046 |
| 80.0       | 141 | 325  | 630  | 995  | 1445 | 2139 | 3481 |
| 85.0       | 39  | 264  | 602  | 1002 | 1500 | 2324 | 4158 |
| 90.0       | 8   | 227  | 590  | 1021 | 1586 | 2588 | 5333 |

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

2025-07-09