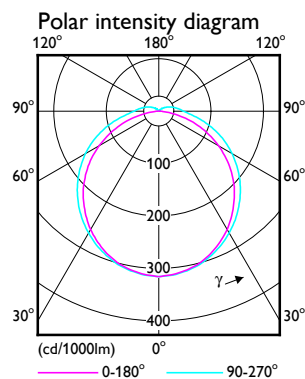


**1 x 12PLC/T LED/32H/840 9290018200**

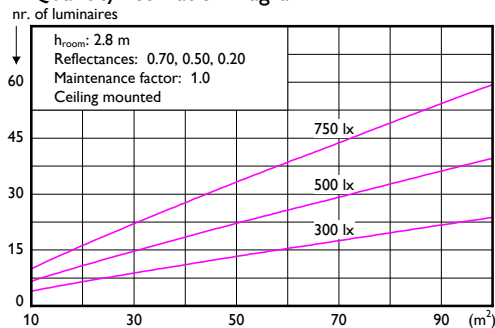
1 x 1450 lm



Light output ratio 1.00  
 Service upward 0.05  
 Service downward 0.95

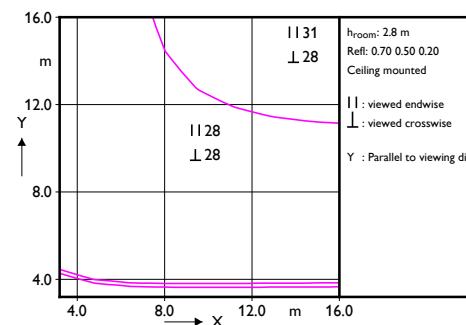
CIE flux code 44 75 92 95 100

UGRcen (4Hx8H, 0.25H) 28

**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 | 0.10 | 0.00 |
| 0.60         | 0.46                                                        | 0.43 | 0.55 | 0.53 | 0.52 | 0.44 | 0.43 | 0.38 | 0.42 | 0.37 | 0.35 | 0.27 |
| 0.80         | 0.56                                                        | 0.53 | 0.63 | 0.61 | 0.59 | 0.52 | 0.50 | 0.45 | 0.49 | 0.44 | 0.41 | 0.35 |
| 1.00         | 0.65                                                        | 0.60 | 0.71 | 0.69 | 0.66 | 0.59 | 0.57 | 0.52 | 0.56 | 0.51 | 0.48 | 0.41 |
| 1.25         | 0.73                                                        | 0.67 | 0.77 | 0.74 | 0.71 | 0.64 | 0.63 | 0.58 | 0.61 | 0.57 | 0.53 | 0.48 |
| 1.50         | 0.80                                                        | 0.72 | 0.87 | 0.82 | 0.79 | 0.73 | 0.71 | 0.66 | 0.69 | 0.65 | 0.62 | 0.53 |
| 2.00         | 0.90                                                        | 0.80 | 0.93 | 0.88 | 0.83 | 0.78 | 0.76 | 0.72 | 0.74 | 0.70 | 0.67 | 0.62 |
| 2.50         | 0.96                                                        | 0.85 | 0.97 | 0.92 | 0.87 | 0.82 | 0.80 | 0.76 | 0.77 | 0.74 | 0.71 | 0.67 |
| 3.00         | 1.01                                                        | 0.88 | 1.03 | 0.97 | 0.91 | 0.87 | 0.85 | 0.82 | 0.82 | 0.80 | 0.76 | 0.71 |
| 4.00         | 1.07                                                        | 0.93 | 1.07 | 1.00 | 0.93 | 0.90 | 0.88 | 0.85 | 0.85 | 0.83 | 0.79 | 0.76 |
| 5.00         | 1.11                                                        | 0.95 |      |      |      |      |      |      |      |      |      |      |

Ceiling mounted

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

| Plane Cone | 0.0   | 15.0  | 30.0  | 45.0  | 60.0  | 75.0  | 90.0  |
|------------|-------|-------|-------|-------|-------|-------|-------|
| 45.0       | 52022 | 43297 | 38276 | 35485 | 34170 | 34102 | 35164 |
| 50.0       | 48933 | 39765 | 34799 | 32233 | 31078 | 31186 | 32333 |
| 55.0       | 45516 | 36075 | 31269 | 28978 | 28055 | 28390 | 29483 |
| 60.0       | 41449 | 31976 | 27655 | 25695 | 25135 | 25476 | 26705 |
| 65.0       | 36591 | 27469 | 23785 | 22377 | 22107 | 22700 | 23875 |
| 70.0       | 30828 | 22606 | 19892 | 19036 | 19125 | 19821 | 20899 |
| 75.0       | 23861 | 17180 | 15766 | 15600 | 16079 | 16863 | 17875 |
| 80.0       | 14897 | 11251 | 11458 | 12119 | 12958 | 13799 | 14776 |
| 85.0       | 4898  | 5668  | 7571  | 8981  | 10132 | 11124 | 12055 |
| 90.0       | 94    | 2483  | 5297  | 7158  | 8601  | 9636  | 10577 |

(cd/m²)

2017-08-24