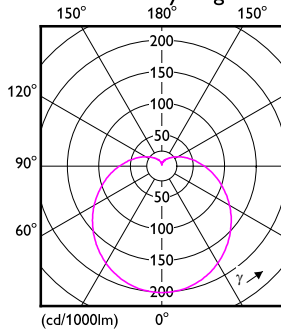


**1 x 9290019984****1 x 131 lm**

Polar intensity diagram

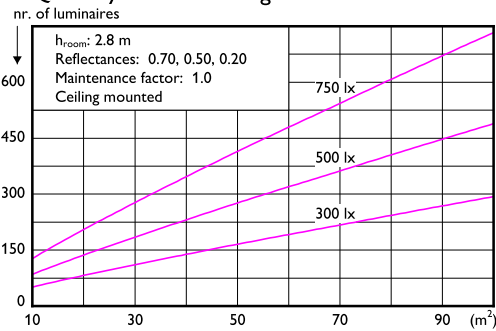


Light output ratio 1.00  
 Service upward 0.20  
 Service downward 0.80

CIE flux code 35 63 84 80 100

UGRcen (4Hx8H, 0.25H) 21

Quantity estimation diagram

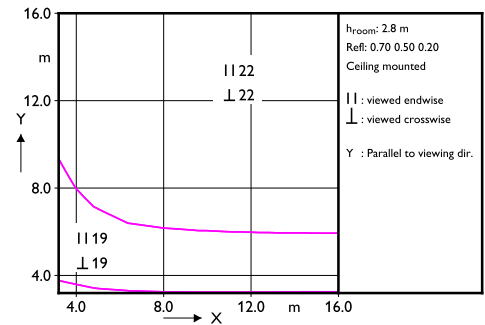


Utilisation factor table

| 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         | 0.40                                                        | 0.38 | 0.30 | 0.38 | 0.38 | 0.37 | 0.29 | 0.27 | 0.22 | 0.26 | 0.21 | 0.18 |
| 0.80         | 0.50                                                        | 0.47 | 0.47 | 0.46 | 0.45 | 0.37 | 0.35 | 0.29 | 0.32 | 0.28 | 0.24 | 0.24 |
| 1.00         | 0.58                                                        | 0.53 | 0.55 | 0.53 | 0.51 | 0.43 | 0.41 | 0.35 | 0.38 | 0.33 | 0.29 | 0.29 |
| 1.25         | 0.65                                                        | 0.60 | 0.62 | 0.60 | 0.58 | 0.50 | 0.47 | 0.41 | 0.44 | 0.39 | 0.34 | 0.34 |
| 1.50         | 0.72                                                        | 0.65 | 0.68 | 0.65 | 0.63 | 0.55 | 0.51 | 0.46 | 0.48 | 0.44 | 0.38 | 0.38 |
| 2.00         | 0.81                                                        | 0.72 | 0.77 | 0.73 | 0.70 | 0.63 | 0.59 | 0.54 | 0.55 | 0.51 | 0.45 | 0.45 |
| 2.50         | 0.88                                                        | 0.77 | 0.83 | 0.79 | 0.75 | 0.69 | 0.64 | 0.60 | 0.60 | 0.56 | 0.49 | 0.49 |
| 3.00         | 0.92                                                        | 0.81 | 0.88 | 0.83 | 0.78 | 0.73 | 0.68 | 0.64 | 0.63 | 0.60 | 0.53 | 0.53 |
| 4.00         | 0.99                                                        | 0.86 | 0.94 | 0.88 | 0.83 | 0.78 | 0.73 | 0.69 | 0.68 | 0.65 | 0.58 | 0.58 |
| 5.00         | 1.03                                                        | 0.89 | 0.97 | 0.91 | 0.85 | 0.81 | 0.76 | 0.73 | 0.71 | 0.68 | 0.61 | 0.61 |

Ceiling mounted

UGR diagram



Luminance Table

| Plane Cone | 0.0  | 15.0 | 30.0 | 45.0 | 60.0 | 75.0 | 90.0 |
|------------|------|------|------|------|------|------|------|
| 45.0       | 4299 | 3901 | 3686 | 3618 | 3686 | 3901 | 4299 |
| 50.0       | 4082 | 3671 | 3452 | 3383 | 3452 | 3671 | 4082 |
| 55.0       | 3888 | 3465 | 3243 | 3174 | 3243 | 3465 | 3888 |
| 60.0       | 3698 | 3264 | 3040 | 2971 | 3040 | 3264 | 3698 |
| 65.0       | 3529 | 3085 | 2859 | 2789 | 2859 | 3085 | 3529 |
| 70.0       | 3362 | 2907 | 2679 | 2609 | 2679 | 2907 | 3362 |
| 75.0       | 3232 | 2762 | 2531 | 2461 | 2531 | 2762 | 3232 |
| 80.0       | 3119 | 2631 | 2395 | 2324 | 2395 | 2631 | 3119 |
| 85.0       | 3021 | 2511 | 2270 | 2198 | 2270 | 2511 | 3021 |
| 90.0       | 2949 | 2408 | 2159 | 2085 | 2159 | 2408 | 2949 |

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

2018-12-10