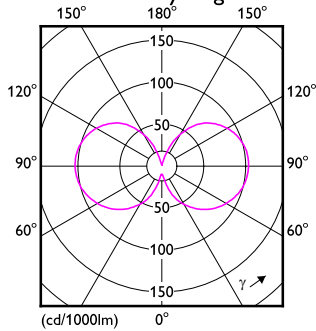


**1 x 9290037724 15W****1 x 2300 lm**

Polar intensity diagram

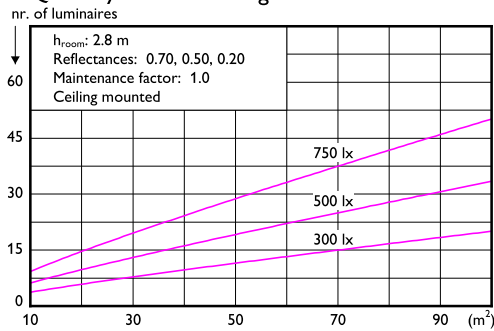


Light output ratio 1.00  
 Service upward 0.49  
 Service downward 0.51

CIE flux code 15 39 68 51 100

UGRcen (4Hx8H, 0.25H) 30

Quantity estimation diagram

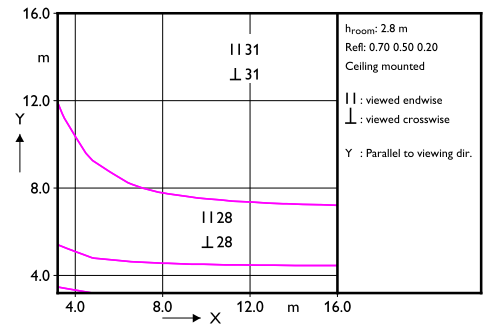


Utilisation factor table

| 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 | 0.00 | 0.00 |
| 0.60         | 0.32                                                        | 0.31 | 0.29 | 0.29 | 0.28 | 0.21 | 0.17 | 0.13 | 0.13 | 0.10 | 0.05 | 0.00 |
| 0.80         | 0.41                                                        | 0.38 | 0.37 | 0.36 | 0.35 | 0.27 | 0.22 | 0.18 | 0.18 | 0.14 | 0.07 | 0.00 |
| 1.00         | 0.48                                                        | 0.45 | 0.44 | 0.42 | 0.41 | 0.33 | 0.27 | 0.22 | 0.22 | 0.18 | 0.10 | 0.00 |
| 1.25         | 0.55                                                        | 0.51 | 0.50 | 0.48 | 0.47 | 0.39 | 0.32 | 0.27 | 0.26 | 0.21 | 0.12 | 0.00 |
| 1.50         | 0.61                                                        | 0.56 | 0.56 | 0.53 | 0.51 | 0.43 | 0.36 | 0.31 | 0.29 | 0.25 | 0.15 | 0.00 |
| 2.00         | 0.70                                                        | 0.63 | 0.64 | 0.61 | 0.58 | 0.50 | 0.42 | 0.37 | 0.34 | 0.30 | 0.19 | 0.00 |
| 2.50         | 0.77                                                        | 0.68 | 0.69 | 0.66 | 0.62 | 0.56 | 0.47 | 0.42 | 0.38 | 0.35 | 0.22 | 0.00 |
| 3.00         | 0.81                                                        | 0.71 | 0.74 | 0.70 | 0.66 | 0.60 | 0.50 | 0.46 | 0.41 | 0.38 | 0.25 | 0.00 |
| 4.00         | 0.88                                                        | 0.76 | 0.80 | 0.75 | 0.70 | 0.65 | 0.55 | 0.51 | 0.45 | 0.42 | 0.29 | 0.00 |
| 5.00         | 0.93                                                        | 0.79 | 0.84 | 0.78 | 0.74 | 0.69 | 0.58 | 0.55 | 0.48 | 0.46 | 0.31 | 0.00 |

Ceiling mounted

UGR diagram



Luminance Table

| Plane Cone | 0.0   | 15.0  | 30.0  | 45.0  | 60.0  | 75.0  | 90.0  |
|------------|-------|-------|-------|-------|-------|-------|-------|
| 45.0       | 35026 | 31155 | 29131 | 28500 | 29131 | 31155 | 35026 |
| 50.0       | 37672 | 33224 | 30928 | 30216 | 30928 | 33224 | 37672 |
| 55.0       | 40205 | 35160 | 32589 | 31796 | 32589 | 35160 | 40205 |
| 60.0       | 42787 | 37103 | 34243 | 33366 | 34243 | 37103 | 42787 |
| 65.0       | 45615 | 39215 | 36037 | 35067 | 36037 | 39215 | 45615 |
| 70.0       | 48674 | 41473 | 37944 | 36874 | 37944 | 41473 | 48674 |
| 75.0       | 51887 | 43797 | 39888 | 38709 | 39888 | 43797 | 51887 |
| 80.0       | 55319 | 46227 | 41898 | 40601 | 41898 | 46227 | 55319 |
| 85.0       | 59059 | 48813 | 44013 | 42585 | 44013 | 48813 | 59059 |
| 90.0       | 63505 | 51852 | 46489 | 44905 | 46489 | 51852 | 63505 |

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

2024-01-30