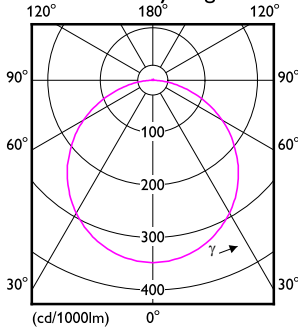


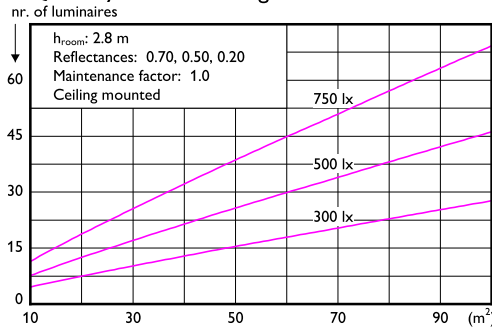
**Downlight 3000K 12 1 x 9290032515**

1 x 1200 lm

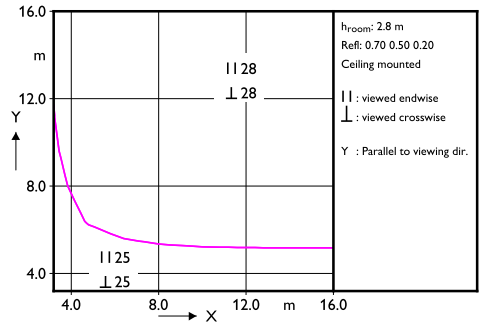
**Polar intensity diagram**



**Quantity estimation diagram**



**UGR diagram**



Light output ratio 1.00  
 Service upward 0.01  
 Service downward 0.99

CIE flux code 47 78 95 99 100

UGRcen (4Hx8H, 0.25H) 27

**Utilisation factor table**

| Room Index k | Reflectances (%) for ceiling, walls and working plane (CIE) |      |      |      |      |      |      |      |      |      |      |      |      |
|--------------|---|------|------|------|------|------|------|------|------|------|------|------|------|
|              | 0.80  |      |      | 0.70 |      |      | 0.50 |      |      | 0.30 |      |      | 0.00 |
|              | 0.80  | 0.80 | 0.80 | 0.70 | 0.70 | 0.70 | 0.50 | 0.50 | 0.50 | 0.30 | 0.30 | 0.30 | 0.00 |
| 0.30         | 0.10  | 0.10 | 0.10 | 0.30 | 0.20 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.00 |
| 0.60         | 0.48  | 0.46 | 0.47 | 0.46 | 0.45 | 0.38 | 0.37 | 0.32 | 0.37 | 0.32 | 0.30 | 0.30 | 0.30 |
| 0.80         | 0.59  | 0.55 | 0.58 | 0.56 | 0.54 | 0.47 | 0.46 | 0.41 | 0.45 | 0.41 | 0.45 | 0.41 | 0.39 |
| 1.00         | 0.68  | 0.63 | 0.66 | 0.64 | 0.62 | 0.54 | 0.54 | 0.48 | 0.53 | 0.48 | 0.53 | 0.48 | 0.46 |
| 1.25         | 0.76  | 0.70 | 0.74 | 0.71 | 0.69 | 0.62 | 0.61 | 0.56 | 0.60 | 0.55 | 0.60 | 0.55 | 0.53 |
| 1.50         | 0.83  | 0.75 | 0.81 | 0.77 | 0.74 | 0.67 | 0.66 | 0.62 | 0.65 | 0.61 | 0.65 | 0.61 | 0.58 |
| 2.00         | 0.93  | 0.83 | 0.90 | 0.86 | 0.81 | 0.76 | 0.75 | 0.70 | 0.73 | 0.70 | 0.73 | 0.70 | 0.67 |
| 2.50         | 0.99  | 0.88 | 0.96 | 0.91 | 0.86 | 0.82 | 0.80 | 0.76 | 0.78 | 0.75 | 0.78 | 0.75 | 0.73 |
| 3.00         | 1.04  | 0.91 | 1.01 | 0.95 | 0.90 | 0.86 | 0.84 | 0.81 | 0.82 | 0.79 | 0.82 | 0.79 | 0.77 |
| 4.00         | 1.10  | 0.95 | 1.06 | 1.00 | 0.94 | 0.90 | 0.89 | 0.86 | 0.87 | 0.85 | 0.87 | 0.85 | 0.82 |
| 5.00         | 1.14  | 0.98 | 1.10 | 1.03 | 0.96 | 0.94 | 0.92 | 0.89 | 0.90 | 0.88 | 0.90 | 0.88 | 0.85 |

Ceiling mounted

**Luminance Table**

| Plane Cone | 0.0   | 15.0  | 30.0  | 45.0  | 60.0  | 75.0  | 90.0  |
|------------|-------|-------|-------|-------|-------|-------|-------|
| 45.0       | 18430 | 18401 | 18384 | 18377 | 18384 | 18401 | 18430 |
| 50.0       | 17996 | 17963 | 17942 | 17935 | 17942 | 17963 | 17996 |
| 55.0       | 17753 | 17715 | 17690 | 17682 | 17690 | 17715 | 17753 |
| 60.0       | 17234 | 17189 | 17160 | 17150 | 17160 | 17189 | 17234 |
| 65.0       | 16539 | 16485 | 16451 | 16440 | 16451 | 16485 | 16539 |
| 70.0       | 15642 | 15577 | 15536 | 15522 | 15536 | 15577 | 15642 |
| 75.0       | 14453 | 14372 | 14321 | 14304 | 14321 | 14372 | 14453 |
| 80.0       | 13128 | 13018 | 12950 | 12927 | 12950 | 13018 | 13128 |
| 85.0       | 10872 | 10696 | 10588 | 10552 | 10588 | 10696 | 10872 |
| 90.0       | 27055 | 22090 | 19806 | 19131 | 19806 | 22090 | 27055 |

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