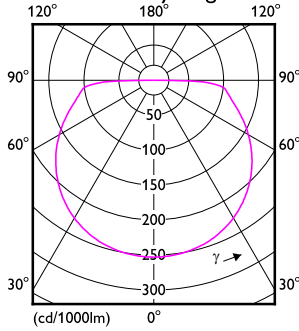


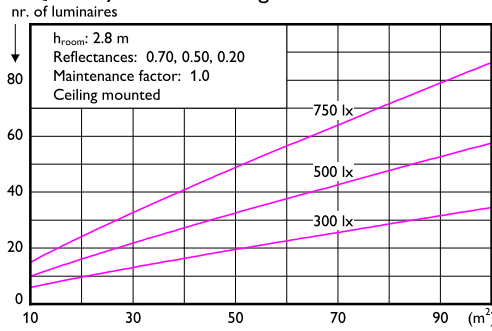
## LS161 COB LED12 13W 930 1M 24V 1 X 9290041213 3000K

1 x 1050 lm

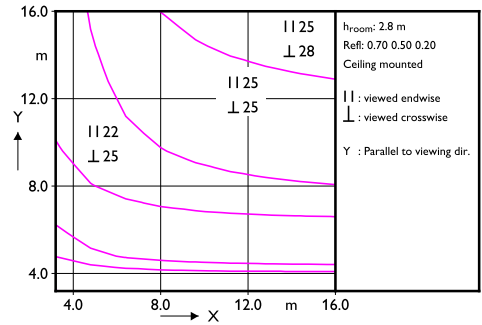
Polar intensity diagram



Quantity estimation diagram



UGR diagram



Light output ratio 1.00  
 Service upward 0.00  
 Service downward 1.00  
 CIE flux code 36 64 85 100 100  
 UGRcen (4Hx8H, 0.25H) 25

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	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.30	0.00	
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	
0.60	0.42	0.40	0.41	0.40	0.39	0.31	0.31	0.25	0.30	0.25	0.23		
0.80	0.52	0.49	0.51	0.49	0.48	0.39	0.39	0.33	0.38	0.33	0.30		
1.00	0.60	0.56	0.58	0.57	0.55	0.46	0.45	0.39	0.44	0.39	0.37		
1.25	0.68	0.62	0.66	0.64	0.61	0.53	0.52	0.46	0.51	0.46	0.43		
1.50	0.74	0.68	0.72	0.69	0.66	0.59	0.57	0.52	0.56	0.51	0.48		
2.00	0.84	0.75	0.82	0.78	0.74	0.67	0.66	0.60	0.64	0.60	0.57		
2.50	0.91	0.80	0.88	0.84	0.79	0.73	0.71	0.66	0.70	0.66	0.63		
3.00	0.96	0.84	0.93	0.88	0.83	0.77	0.75	0.71	0.74	0.70	0.67		
4.00	1.03	0.89	0.99	0.93	0.88	0.83	0.81	0.77	0.79	0.76	0.73		
5.00	1.07	0.92	1.04	0.97	0.91	0.87	0.85	0.81	0.83	0.80	0.77		

Ceiling mounted

Luminance Table

Plane Cone	0.0	15.0	30.0	45.0	60.0	75.0	90.0
45.0	3628	3407	3225	3083	2983	2923	2903
50.0	3733	3466	3249	3084	2968	2900	2877
55.0	3880	3552	3292	3098	2964	2885	2860
60.0	4090	3678	3363	3132	2975	2885	2855
65.0	4412	3875	3480	3200	3014	2908	2873
70.0	4937	4193	3676	3324	3097	2970	2929
75.0	5906	4758	4029	3560	3268	3108	3058
80.0	8088	5919	4736	4042	3634	3417	3349
85.0	14325	8243	5907	4751	4131	3818	3722
90.0	908842	2801	1452	1027	839	753	727

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