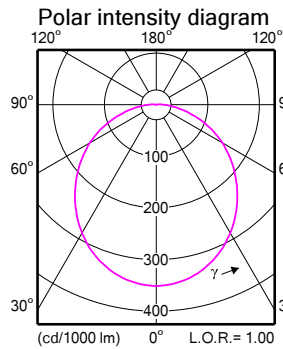


BY950 LED30 L-B CW LG 1xLED Ra80/6500K

1 x 2640 lm

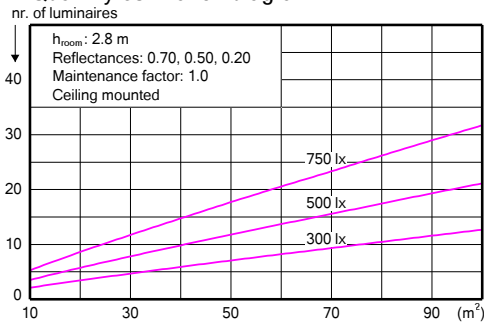


Light output ratio 1.00
Service upward 0.01
Service downward 0.99

CIE flux code 46 77 94 99 100

UGR_{cen} (4Hx8H, 0.25H) 25

Quantity estimation diagram

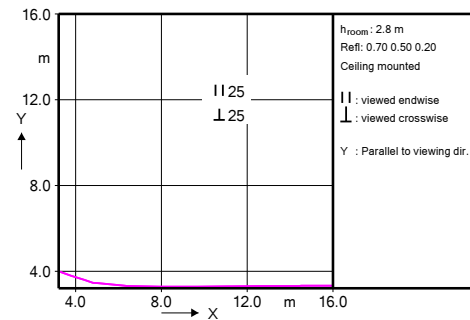


Utilisation factor table

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
0.50	0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.30	0.10	0.00	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
0.60	0.47	0.45	0.47	0.46	0.45	0.37	0.37	0.32	0.36	0.32	0.30	0.30
0.80	0.58	0.55	0.57	0.55	0.54	0.46	0.45	0.40	0.45	0.40	0.38	0.38
1.00	0.67	0.62	0.65	0.63	0.61	0.54	0.53	0.48	0.52	0.47	0.45	0.45
1.25	0.75	0.69	0.74	0.71	0.68	0.61	0.60	0.55	0.59	0.54	0.52	0.52
1.50	0.82	0.74	0.80	0.76	0.73	0.67	0.65	0.61	0.64	0.60	0.57	0.57
2.00	0.92	0.82	0.89	0.85	0.81	0.75	0.74	0.70	0.72	0.69	0.66	0.66
2.50	0.98	0.87	0.96	0.90	0.86	0.81	0.79	0.75	0.78	0.74	0.72	0.72
3.00	1.03	0.90	1.00	0.94	0.89	0.85	0.83	0.80	0.81	0.79	0.76	0.76
4.00	1.09	0.95	1.06	0.99	0.93	0.90	0.88	0.85	0.86	0.84	0.81	0.81
5.00	1.13	0.97	1.09	1.02	0.96	0.93	0.91	0.88	0.89	0.87	0.84	0.84

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	17097	17097	17097
50.0	15545	15545	15545
55.0	14024	14024	14024
60.0	12481	12481	12481
65.0	10801	10801	10801
70.0	8947	8947	8947
75.0	6995	6995	6995
80.0	5082	5082	5082
85.0	3332	3332	3332
90.0	1998	1998	1998

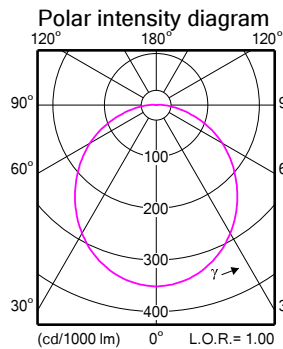
(cd/m²)

LVC2160420

2016-04-21

BY950 LED30 L-B NW LG 1xLED Ra80/4000K

1 x 2640 lm

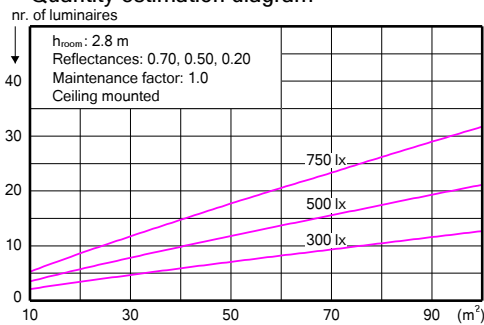


Light output ratio 1.00
Service upward 0.01
Service downward 0.99

CIE flux code 46 77 94 99 100

UGR_{cen} (4Hx8H, 0.25H) 25

Quantity estimation diagram

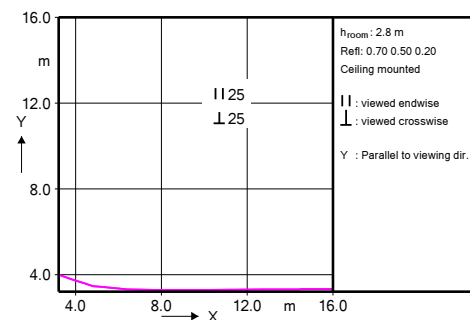


Utilisation factor table

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
0.50	0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.30	0.10	0.00	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
0.60	0.47	0.45	0.47	0.46	0.45	0.37	0.37	0.32	0.36	0.32	0.30	0.30
0.80	0.58	0.55	0.57	0.55	0.54	0.46	0.45	0.40	0.45	0.40	0.38	0.38
1.00	0.67	0.62	0.65	0.63	0.61	0.54	0.53	0.48	0.52	0.47	0.45	0.45
1.25	0.75	0.69	0.74	0.71	0.68	0.61	0.60	0.55	0.59	0.54	0.52	0.52
1.50	0.82	0.74	0.80	0.76	0.73	0.67	0.65	0.61	0.64	0.60	0.57	0.57
2.00	0.92	0.82	0.89	0.85	0.81	0.75	0.74	0.70	0.72	0.69	0.66	0.66
2.50	0.98	0.87	0.96	0.90	0.86	0.81	0.79	0.75	0.78	0.74	0.72	0.72
3.00	1.03	0.90	1.00	0.94	0.89	0.85	0.83	0.80	0.81	0.79	0.76	0.76
4.00	1.09	0.95	1.06	0.99	0.93	0.90	0.88	0.85	0.86	0.84	0.81	0.81
5.00	1.13	0.97	1.09	1.02	0.96	0.93	0.91	0.88	0.89	0.87	0.84	0.84

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	17097	17097	17097
50.0	15545	15545	15545
55.0	14024	14024	14024
60.0	12481	12481	12481
65.0	10801	10801	10801
70.0	8947	8947	8947
75.0	6995	6995	6995
80.0	5082	5082	5082
85.0	3332	3332	3332
90.0	1998	1998	1998

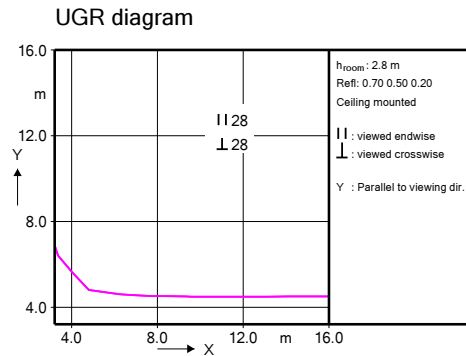
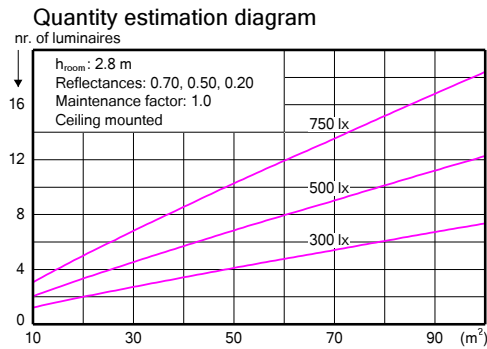
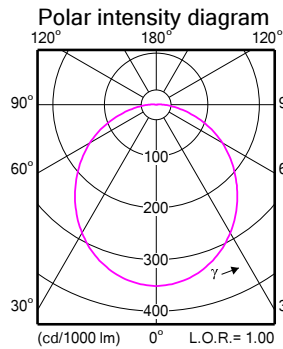
(cd/m²)

LVC2160420

2016-04-21

BY950 LED50 L-B CW LG 1xLED Ra80/6500K

1 x 4550 lm



Light output ratio 1.00
 Service upward 0.01
 Service downward 0.99

CIE flux code 46 77 94 99 100

UGRcen (4Hx8H, 0.25H) 27

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
0.50	0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.30	0.10	0.00	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
0.60	0.47	0.45	0.47	0.46	0.45	0.37	0.37	0.32	0.36	0.32	0.30	0.30
0.80	0.58	0.55	0.57	0.55	0.54	0.46	0.45	0.40	0.45	0.40	0.38	0.38
1.00	0.67	0.62	0.65	0.63	0.61	0.54	0.53	0.48	0.52	0.47	0.45	0.45
1.25	0.75	0.69	0.74	0.71	0.68	0.61	0.60	0.55	0.59	0.54	0.52	0.52
1.50	0.82	0.74	0.80	0.76	0.73	0.67	0.65	0.61	0.64	0.60	0.57	0.57
2.00	0.92	0.82	0.89	0.85	0.81	0.75	0.74	0.70	0.72	0.69	0.66	0.66
2.50	0.98	0.87	0.96	0.90	0.86	0.81	0.79	0.75	0.78	0.74	0.72	0.72
3.00	1.03	0.90	1.00	0.94	0.89	0.85	0.83	0.80	0.81	0.79	0.76	0.76
4.00	1.09	0.95	1.06	0.99	0.93	0.90	0.88	0.85	0.86	0.84	0.81	0.81
5.00	1.13	0.97	1.09	1.02	0.96	0.93	0.91	0.88	0.89	0.87	0.84	0.84

Ceiling mounted

Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	29467	29467	29467
50.0	26791	26791	26791
55.0	24170	24170	24170
60.0	21511	21511	21511
65.0	18616	18616	18616
70.0	15420	15420	15420
75.0	12055	12055	12055
80.0	8759	8759	8759
85.0	5742	5742	5742
90.0	3444	3444	3444

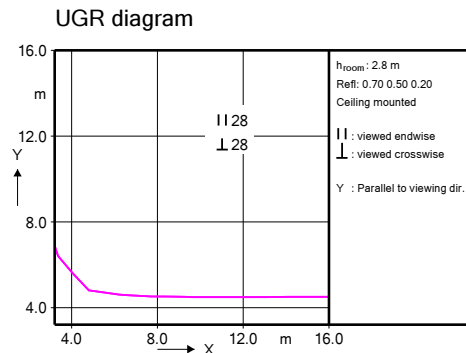
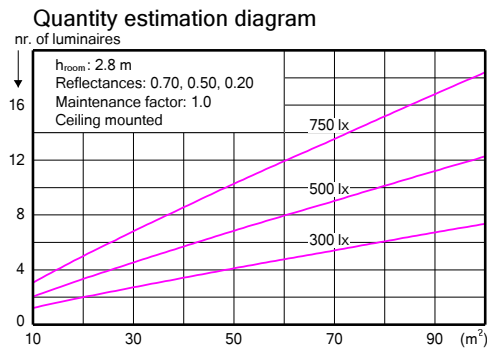
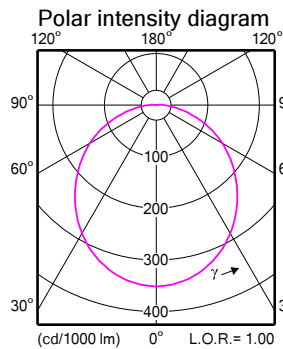
(cd/m²)

LVC2160420

2016-04-21

BY950 LED50 L-B NW LG 1xLED Ra80/4000K

1 x 4550 lm



Light output ratio 1.00
 Service upward 0.01
 Service downward 0.99

CIE flux code 46 77 94 99 100

UGRcen (4Hx8H, 0.25H) 27

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
0.50	0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.30	0.10	0.00	0.00
0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
0.60	0.47	0.45	0.47	0.46	0.45	0.37	0.37	0.32	0.36	0.32	0.30	0.30
0.80	0.58	0.55	0.57	0.55	0.54	0.46	0.45	0.40	0.45	0.40	0.38	0.38
1.00	0.67	0.62	0.65	0.63	0.61	0.54	0.53	0.48	0.52	0.47	0.45	0.45
1.25	0.75	0.69	0.74	0.71	0.68	0.61	0.60	0.55	0.59	0.54	0.52	0.52
1.50	0.82	0.74	0.80	0.76	0.73	0.67	0.65	0.61	0.64	0.60	0.57	0.57
2.00	0.92	0.82	0.89	0.85	0.81	0.75	0.74	0.70	0.72	0.69	0.66	0.66
2.50	0.98	0.87	0.96	0.90	0.86	0.81	0.79	0.75	0.78	0.74	0.72	0.72
3.00	1.03	0.90	1.00	0.94	0.89	0.85	0.83	0.80	0.81	0.79	0.76	0.76
4.00	1.09	0.95	1.06	0.99	0.93	0.90	0.88	0.85	0.86	0.84	0.81	0.81
5.00	1.13	0.97	1.09	1.02	0.96	0.93	0.91	0.88	0.89	0.87	0.84	0.84

Ceiling mounted

Luminance Table

Plane Cone	0.0	45.0	90.0
45.0	29467	29467	29467
50.0	26791	26791	26791
55.0	24170	24170	24170
60.0	21511	21511	21511
65.0	18616	18616	18616
70.0	15420	15420	15420
75.0	12055	12055	12055
80.0	8759	8759	8759
85.0	5742	5742	5742
90.0	3444	3444	3444

(cd/m²)

LVC2160420

2016-04-21