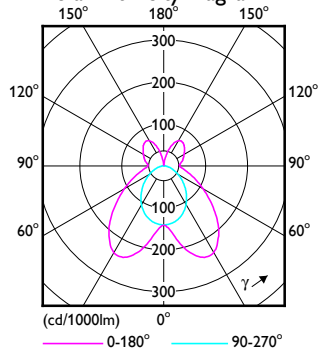
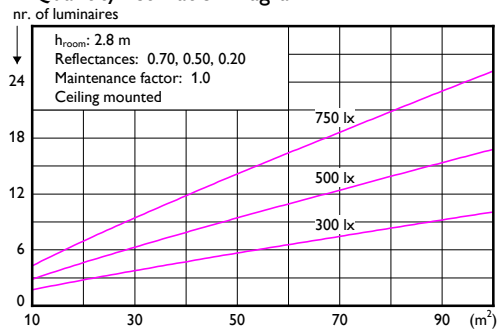


**SP800P LED38 940 1 x LED L120W6 SD PSD CAU****1 x 3800 lm****Polar intensity diagram**

Light output ratio 1.00  
 Service upward 0.29  
 Service downward 0.71

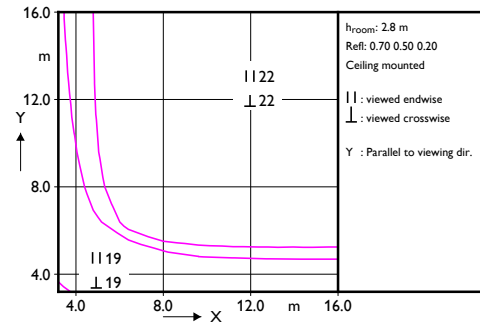
CIE flux code 40 69 88 71 100

UGR<sub>cen</sub> (4Hx8H, 0.25H) 20

**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	0.41	0.39	0.40	0.39	0.38	0.31	0.28	0.24	0.26	0.22	0.18	0.18
0.80	0.51	0.48	0.49	0.47	0.46	0.39	0.36	0.31	0.33	0.28	0.24	0.24
1.00	0.59	0.55	0.56	0.54	0.53	0.45	0.42	0.37	0.38	0.34	0.28	0.28
1.25	0.67	0.62	0.64	0.61	0.59	0.52	0.47	0.43	0.43	0.39	0.33	0.33
1.50	0.73	0.67	0.69	0.66	0.63	0.57	0.52	0.48	0.48	0.44	0.37	0.37
2.00	0.83	0.74	0.78	0.74	0.70	0.64	0.59	0.55	0.54	0.51	0.43	0.43
2.50	0.89	0.79	0.84	0.79	0.75	0.70	0.64	0.60	0.58	0.55	0.47	0.47
3.00	0.94	0.82	0.88	0.83	0.78	0.73	0.67	0.64	0.61	0.59	0.50	0.50
4.00	1.00	0.86	0.93	0.88	0.82	0.78	0.72	0.69	0.65	0.63	0.54	0.54
5.00	1.04	0.89	0.97	0.91	0.85	0.82	0.75	0.72	0.68	0.66	0.57	0.57

Ceiling mounted

**UGR diagram****Luminance Table**

Plane Cone	0.0	15.0	30.0	45.0	60.0	75.0	90.0
45.0	6742	6982	7484	7667	7315	5982	5203
50.0	5792	6049	6717	7179	6993	5640	4744
55.0	4928	5188	5939	6674	6575	5252	4307
60.0	4185	4424	5178	6153	6284	5033	3873
65.0	3547	3774	4529	5641	6136	4787	3445
70.0	3017	3235	3957	5181	6002	4572	3061
75.0	2584	2802	3516	4797	5858	4617	2705
80.0	2234	2469	3158	4527	5820	4896	2422
85.0	2017	2245	2976	4399	5985	5428	2280
90.0	1956	2216	2999	4534	6504	6218	2937

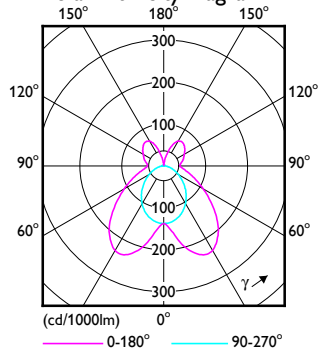
(cd/m<sup>2</sup>)

LVC1220812

2022-12-13

**SP800P LED21 840 1 x LED L60W6 SD PSD CAU**

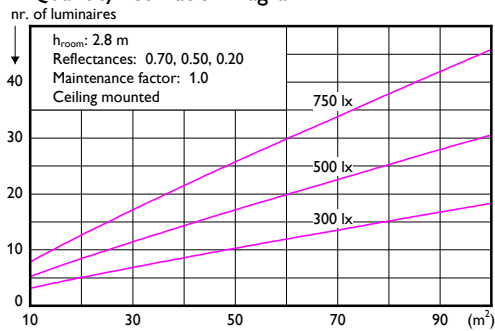
1 x 2100 lm

**Polar intensity diagram**

Light output ratio 1.00  
 Service upward 0.29  
 Service downward 0.71

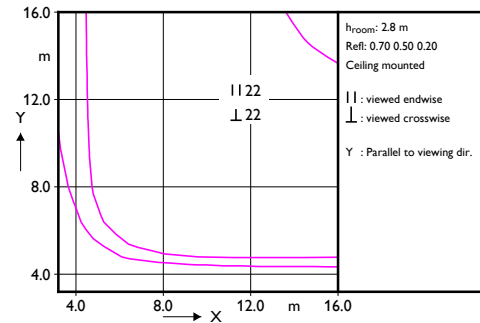
CIE flux code 39 69 87 71 100

UGRcen (4Hx8H, 0.25H) 21

**Quantity estimation diagram****Utilisation factor table**

Room Index k	Reflectances (%) for ceiling, walls and working plane (CIE)											
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00	0.00
0.60	0.80	0.80	0.70	0.70	0.70	0.70	0.30	0.10	0.30	0.10	0.00	0.00
0.80	0.50	0.50	0.50	0.50	0.50	0.30	0.10	0.10	0.10	0.10	0.00	0.00
1.00	0.30	0.10	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
1.25	0.60	0.41	0.39	0.39	0.38	0.37	0.30	0.28	0.23	0.25	0.21	0.18
1.50	0.51	0.48	0.48	0.47	0.46	0.38	0.35	0.30	0.32	0.28	0.28	0.23
1.75	0.59	0.55	0.56	0.54	0.52	0.45	0.41	0.36	0.38	0.33	0.28	0.28
2.00	0.67	0.61	0.63	0.61	0.58	0.51	0.47	0.42	0.43	0.39	0.33	0.33
2.50	0.73	0.66	0.69	0.66	0.63	0.56	0.52	0.47	0.47	0.43	0.37	0.37
3.00	0.82	0.73	0.77	0.74	0.70	0.64	0.59	0.54	0.53	0.50	0.42	0.42
3.50	0.88	0.78	0.83	0.79	0.75	0.69	0.63	0.60	0.58	0.55	0.46	0.46
4.00	0.93	0.81	0.87	0.82	0.78	0.73	0.67	0.63	0.61	0.58	0.49	0.49
4.50	0.99	0.86	0.93	0.87	0.82	0.78	0.71	0.68	0.65	0.62	0.53	0.53
5.00	1.03	0.88	0.96	0.90	0.85	0.81	0.74	0.71	0.67	0.65	0.56	0.56

Ceiling mounted

**UGR diagram****Luminance Table**

Plane Cone	0.0	15.0	30.0	45.0	60.0	75.0	90.0
45.0	7388	7547	8029	8215	7775	6295	5388
50.0	6347	6583	7226	7745	7428	6003	4911
55.0	5416	5664	6394	7201	6994	5751	4468
60.0	4598	4840	5630	6666	6799	5318	4065
65.0	3910	4139	4955	6137	6581	5040	3601
70.0	3304	3565	4360	5655	6356	4907	3228
75.0	2849	3103	3885	5277	6261	4908	2829
80.0	2474	2739	3551	4984	6282	5046	2407
85.0	2263	2508	3339	4883	6448	5281	2126
90.0	2212	2487	3319	5006	6842	6296	1967

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

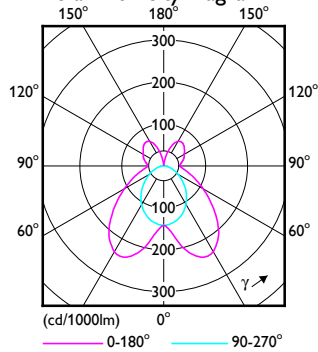
LVC1220807

2022-12-13

**SP800P LED52 840 1 x LED L150W6 SD PSD**

1 x 5200 lm

Polar intensity diagram

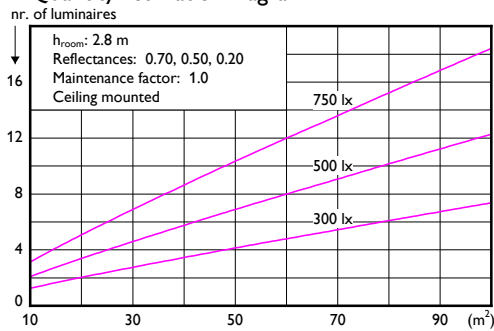


Light output ratio 1.00  
Service upward 0.29  
Service downward 0.71

CIE flux code 40 69 88 71 100

UGRcen (4Hx8H, 0.25H) 21

Quantity estimation diagram

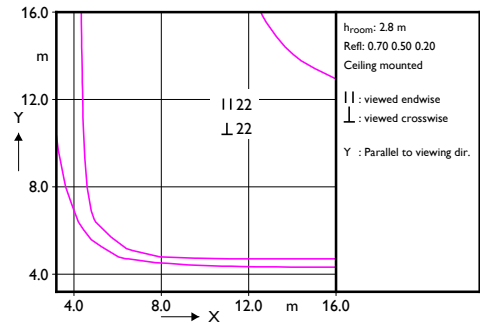


Utilisation factor table

Room Index k	Reflectances (%) for ceiling, walls and working plane (CIE)											
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00	0.00
0.60	0.80	0.80	0.70	0.70	0.70	0.70	0.30	0.10	0.30	0.10	0.00	0.00
0.80	0.50	0.50	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
1.00	0.30	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
1.25	0.60	0.41	0.39	0.40	0.39	0.38	0.31	0.28	0.24	0.26	0.22	0.18
1.50	0.51	0.48	0.49	0.47	0.46	0.39	0.36	0.31	0.33	0.28	0.24	0.24
1.75	0.59	0.55	0.56	0.54	0.53	0.45	0.42	0.37	0.38	0.34	0.28	0.28
2.00	0.67	0.62	0.64	0.61	0.59	0.52	0.47	0.43	0.43	0.39	0.33	0.33
2.25	0.73	0.67	0.69	0.66	0.63	0.57	0.52	0.48	0.48	0.44	0.37	0.37
2.50	0.83	0.74	0.78	0.74	0.70	0.64	0.59	0.55	0.54	0.51	0.43	0.43
2.75	0.89	0.79	0.84	0.79	0.75	0.70	0.64	0.60	0.58	0.55	0.47	0.47
3.00	0.94	0.82	0.88	0.83	0.78	0.73	0.67	0.64	0.61	0.59	0.50	0.50
3.25	1.00	0.86	0.93	0.88	0.82	0.78	0.72	0.69	0.65	0.63	0.54	0.54
3.50	1.04	0.89	0.97	0.91	0.85	0.82	0.75	0.72	0.68	0.66	0.57	0.57

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	15.0	30.0	45.0	60.0	75.0	90.0
45.0	7363	7656	8179	8447	8067	6653	5770
50.0	6328	6615	7342	7953	7658	6246	5247
55.0	5394	5684	6489	7391	7284	5947	4764
60.0	4585	4861	5695	6788	7026	5645	4341
65.0	3904	4154	4995	6231	6815	5305	3890
70.0	3336	3567	4404	5746	6659	5106	3470
75.0	2849	3096	3887	5324	6545	5270	3074
80.0	2475	2726	3498	5003	6509	5541	2743
85.0	2236	2489	3292	4870	6684	6336	3516
90.0	2204	2479	3323	5026	7239	7353	6724

(cd/m²)

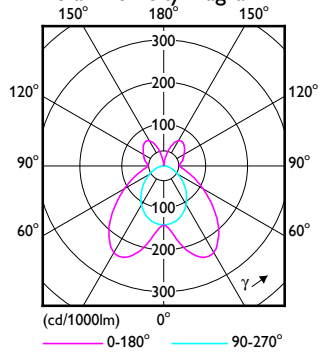
LVC1220814

2022-12-13

**SP800P LED38 940 1 x LED L120W6 CD PSD**

1 x 3800 lm

**Polar intensity diagram**

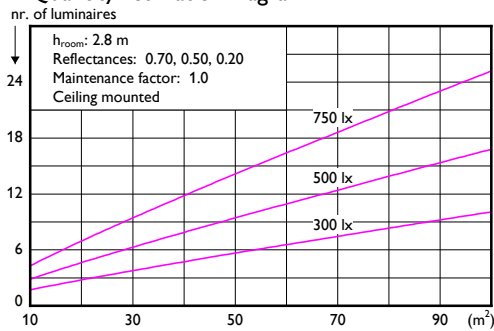


Light output ratio 1.00  
Service upward 0.29  
Service downward 0.71

CIE flux code 40 69 88 71 100

UGRcen (4Hx8H, 0.25H) 20

**Quantity estimation diagram**

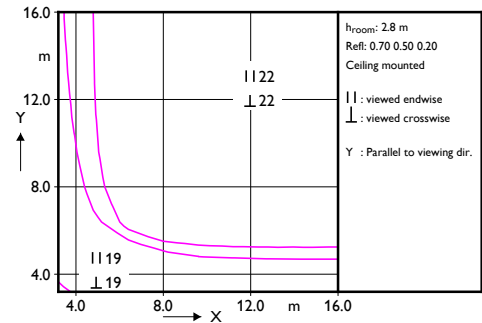


**Utilisation factor table**

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	
	0.50	0.50	0.50	0.50	0.50	0.30	0.30	0.10	0.10			
	0.30	0.10	0.30	0.20	0.10	0.30	0.10	0.10	0.10	0.10	0.00	
0.60	0.41	0.39	0.40	0.39	0.38	0.31	0.28	0.24	0.26	0.22	0.18	
0.80	0.51	0.48	0.49	0.47	0.46	0.39	0.36	0.31	0.33	0.28	0.24	
1.00	0.59	0.55	0.56	0.54	0.53	0.45	0.42	0.37	0.38	0.34	0.28	
1.25	0.67	0.62	0.64	0.61	0.59	0.52	0.47	0.43	0.43	0.39	0.33	
1.50	0.73	0.67	0.69	0.66	0.63	0.57	0.52	0.48	0.48	0.44	0.37	
2.00	0.83	0.74	0.78	0.74	0.70	0.64	0.59	0.55	0.54	0.51	0.43	
2.50	0.89	0.79	0.84	0.79	0.75	0.70	0.64	0.60	0.58	0.55	0.47	
3.00	0.94	0.82	0.88	0.83	0.78	0.73	0.67	0.64	0.61	0.59	0.50	
4.00	1.00	0.86	0.93	0.88	0.82	0.78	0.72	0.69	0.65	0.63	0.54	
5.00	1.04	0.89	0.97	0.91	0.85	0.82	0.75	0.72	0.68	0.66	0.57	

Ceiling mounted

**UGR diagram**



**Luminance Table**

Plane Cone	0.0	15.0	30.0	45.0	60.0	75.0	90.0
45.0	6742	6982	7484	7667	7315	5982	5203
50.0	5792	6049	6717	7179	6993	5640	4744
55.0	4928	5188	5939	6674	6575	5252	4307
60.0	4185	4424	5178	6153	6284	5033	3873
65.0	3547	3774	4529	5641	6136	4787	3445
70.0	3017	3235	3957	5181	6002	4572	3061
75.0	2584	2802	3516	4797	5858	4617	2705
80.0	2234	2469	3158	4527	5820	4896	2422
85.0	2017	2245	2976	4399	5985	5428	2280
90.0	1956	2216	2999	4534	6504	6218	2937

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

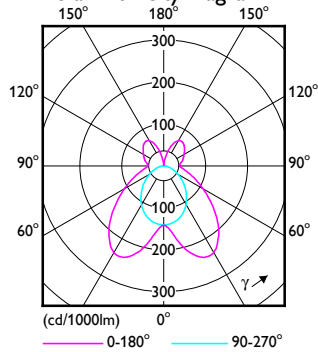
LVC1220812

2022-12-13

**SP800P LED41 840 1 x LED L120W6 SD PSD**

1 x 4100 lm

Polar intensity diagram

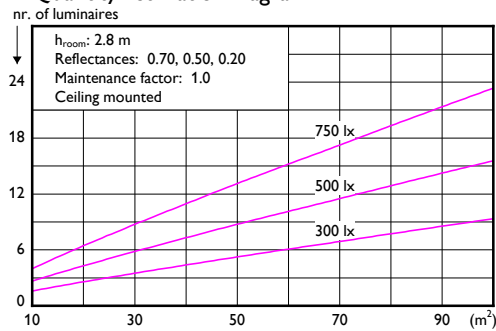


Light output ratio 1.00  
Service upward 0.29  
Service downward 0.71

CIE flux code 40 69 88 71 100

UGRcen (4Hx8H, 0.25H) 21

Quantity estimation diagram

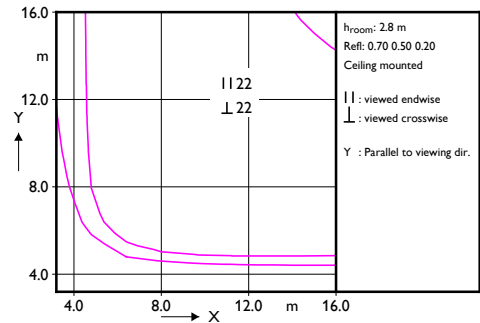


Utilisation factor table

Room Index k	Reflectances (%) for ceiling, walls and working plane (CIE)											
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00	0.00
0.60	0.80	0.80	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.10	0.00	0.00
0.80	0.50	0.50	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
1.00	0.59	0.55	0.56	0.54	0.53	0.45	0.42	0.37	0.38	0.34	0.28	0.24
1.25	0.67	0.62	0.64	0.61	0.59	0.52	0.47	0.43	0.43	0.39	0.33	0.28
1.50	0.73	0.67	0.69	0.66	0.63	0.57	0.52	0.48	0.48	0.44	0.37	0.33
2.00	0.83	0.74	0.78	0.74	0.70	0.64	0.59	0.55	0.54	0.51	0.43	0.37
2.50	0.89	0.79	0.84	0.79	0.75	0.70	0.64	0.60	0.58	0.55	0.47	0.43
3.00	0.94	0.82	0.88	0.83	0.78	0.73	0.67	0.64	0.61	0.59	0.50	0.47
4.00	1.00	0.86	0.93	0.88	0.82	0.78	0.72	0.69	0.65	0.63	0.54	0.50
5.00	1.04	0.89	0.97	0.91	0.85	0.82	0.75	0.72	0.68	0.66	0.57	0.54

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	15.0	30.0	45.0	60.0	75.0	90.0
45.0	7274	7533	8075	8273	7892	6454	5614
50.0	6249	6526	7247	7746	7545	6085	5119
55.0	5317	5598	6408	7201	7095	5666	4647
60.0	4515	4773	5587	6639	6780	5430	4179
65.0	3827	4072	4887	6086	6620	5165	3717
70.0	3255	3490	4270	5591	6476	4933	3303
75.0	2788	3023	3794	5176	6320	4982	2918
80.0	2411	2664	3407	4885	6279	5283	2613
85.0	2176	2422	3211	4747	6458	5856	2460
90.0	2110	2391	3236	4892	7018	6709	3169

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

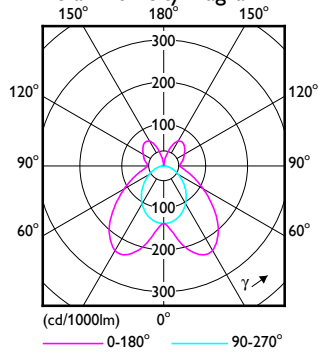
LVC1220812

2022-12-13

**SP800P LED21 840 1 x LED L60W6 CD PSD**

1 x 2100 lm

Polar intensity diagram

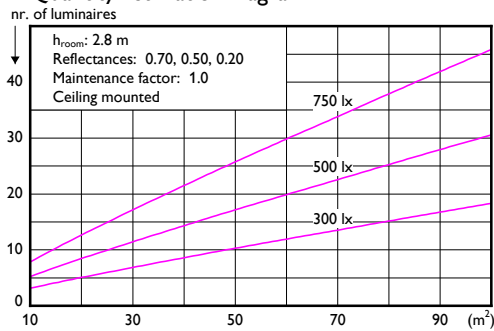


Light output ratio 1.00  
Service upward 0.29  
Service downward 0.71

CIE flux code 39 69 87 71 100

UGRcen (4Hx8H, 0.25H) 21

Quantity estimation diagram

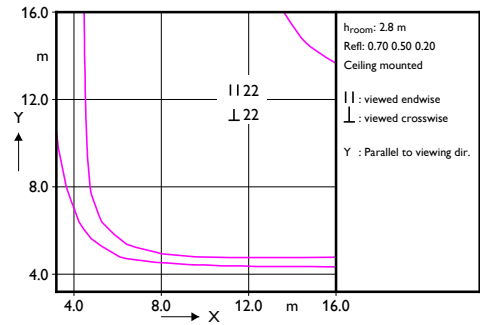


Utilisation factor table

Room Index k	Reflectances (%) for ceiling, walls and working plane (CIE)															
	0.80 0.80				0.70 0.70 0.70 0.70				0.50 0.50				0.30 0.30			
	0.50 0.50	0.30 0.10	0.30 0.20	0.10 0.10	0.50 0.50	0.30 0.10	0.30 0.20	0.10 0.10	0.50 0.50	0.30 0.10	0.30 0.20	0.10 0.10	0.50 0.50	0.30 0.10	0.30 0.20	0.10 0.10
0.60	0.41	0.39	0.39	0.38	0.37	0.30	0.28	0.23	0.25	0.21	0.18	0.18	0.25	0.21	0.18	0.18
0.80	0.51	0.48	0.48	0.47	0.46	0.38	0.35	0.30	0.32	0.28	0.23	0.23	0.32	0.28	0.23	0.23
1.00	0.59	0.55	0.56	0.54	0.52	0.45	0.41	0.36	0.38	0.33	0.28	0.28	0.38	0.33	0.28	0.28
1.25	0.67	0.61	0.63	0.61	0.58	0.51	0.47	0.42	0.43	0.39	0.33	0.33	0.43	0.39	0.33	0.33
1.50	0.73	0.66	0.69	0.66	0.63	0.56	0.52	0.47	0.47	0.43	0.37	0.37	0.47	0.43	0.37	0.37
2.00	0.82	0.73	0.77	0.74	0.70	0.64	0.59	0.54	0.53	0.50	0.42	0.42	0.53	0.50	0.42	0.42
2.50	0.88	0.78	0.83	0.79	0.75	0.69	0.63	0.60	0.58	0.55	0.46	0.46	0.58	0.55	0.46	0.46
3.00	0.93	0.81	0.87	0.82	0.78	0.73	0.67	0.63	0.61	0.58	0.49	0.49	0.61	0.58	0.49	0.49
4.00	0.99	0.86	0.93	0.87	0.82	0.78	0.71	0.68	0.65	0.62	0.53	0.53	0.65	0.62	0.53	0.53
5.00	1.03	0.88	0.96	0.90	0.85	0.81	0.74	0.71	0.67	0.65	0.56	0.56	0.67	0.65	0.56	0.56

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	15.0	30.0	45.0	60.0	75.0	90.0
45.0	7388	7547	8029	8215	7775	6295	5388
50.0	6347	6583	7226	7745	7428	6003	4911
55.0	5416	5664	6394	7201	6994	5751	4468
60.0	4598	4840	5630	6666	6799	5318	4065
65.0	3910	4139	4955	6137	6581	5040	3601
70.0	3304	3565	4360	5655	6356	4907	3228
75.0	2849	3103	3885	5277	6261	4908	2829
80.0	2474	2739	3551	4984	6282	5046	2407
85.0	2263	2508	3339	4883	6448	5281	2126
90.0	2212	2487	3319	5006	6842	6296	1967

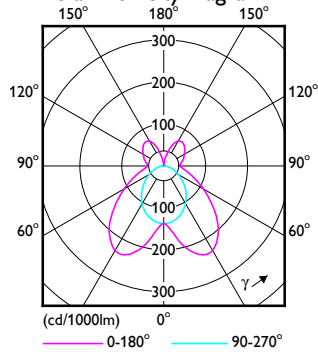
(cd/m²)

LVC1220807

2022-12-13

**SP800P LED20 940 1 x LED L60W6 CD PSD**

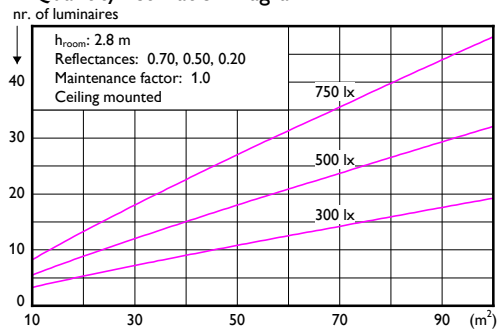
1 x 2000 lm

**Polar intensity diagram**

Light output ratio 1.00  
 Service upward 0.29  
 Service downward 0.71

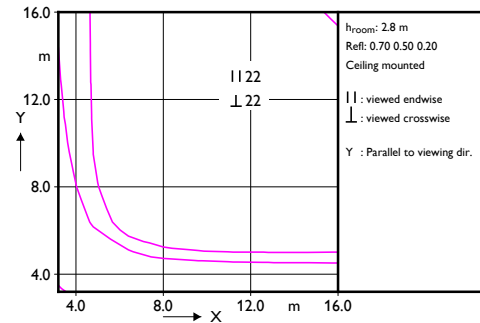
CIE flux code 39 69 87 71 100

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	0.80	0.50	0.50	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.30	0.30	0.10	0.00
0.60	0.80	0.80	0.50	0.50	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.30	0.30	0.10	0.00
0.80	0.80	0.80	0.50	0.50	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.30	0.30	0.10	0.00
1.00	0.80	0.80	0.50	0.50	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.30	0.30	0.10	0.00
1.25	0.80	0.80	0.50	0.50	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.30	0.30	0.10	0.00
1.50	0.80	0.80	0.50	0.50	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.30	0.30	0.10	0.00
2.00	0.80	0.80	0.50	0.50	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.30	0.30	0.10	0.00
2.50	0.80	0.80	0.50	0.50	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.30	0.30	0.10	0.00
3.00	0.80	0.80	0.50	0.50	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.30	0.30	0.10	0.00
4.00	0.80	0.80	0.50	0.50	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.30	0.30	0.10	0.00
5.00	0.80	0.80	0.50	0.50	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.30	0.30	0.10	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	7036	7187	7646	7824	7405	5995	5131
50.0	6045	6270	6882	7376	7075	5718	4677
55.0	5159	5394	6090	6858	6661	5477	4255
60.0	4379	4609	5362	6349	6476	5064	3872
65.0	3723	3942	4719	5845	6267	4800	3429
70.0	3147	3395	4152	5386	6053	4674	3075
75.0	2714	2955	3700	5026	5962	4674	2694
80.0	2356	2609	3382	4747	5983	4805	2292
85.0	2155	2389	3180	4651	6141	5029	2024
90.0	2107	2369	3161	4768	6516	5996	1874

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

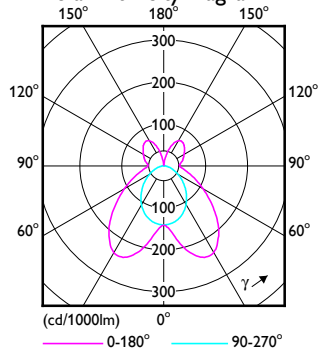
LVC1220807

2022-12-13

# SP800P LED41 840 1 x LED L120W6 SD PSD CAU

1 x 4100 lm

Polar intensity diagram

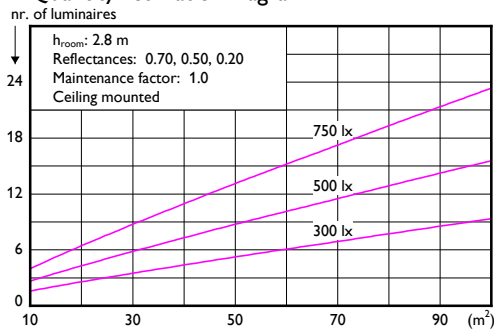


Light output ratio 1.00  
Service upward 0.29  
Service downward 0.71

CIE flux code 40 69 88 71 100

UGRcen (4Hx8H, 0.25H) 21

Quantity estimation diagram

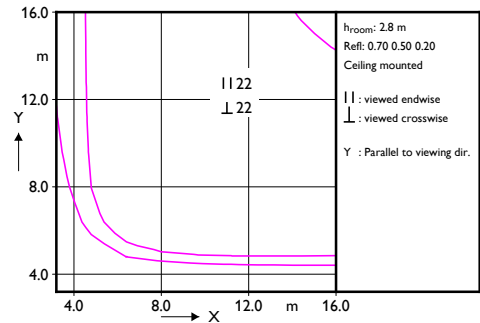


Utilisation factor table

Room Index k	Reflectances (%) for ceiling, walls and working plane (CIE)											
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00	0.00
0.60	0.80	0.80	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.10	0.00	0.00
0.80	0.50	0.50	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
1.00	0.30	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
1.25	0.60	0.41	0.39	0.40	0.39	0.38	0.31	0.28	0.24	0.26	0.22	0.18
1.50	0.51	0.48	0.49	0.47	0.46	0.39	0.36	0.31	0.33	0.38	0.28	0.24
1.75	0.59	0.55	0.56	0.54	0.53	0.45	0.42	0.37	0.38	0.34	0.28	0.24
2.00	0.67	0.62	0.64	0.61	0.59	0.52	0.47	0.43	0.43	0.39	0.33	0.28
2.50	0.73	0.67	0.69	0.66	0.63	0.57	0.52	0.48	0.48	0.44	0.37	0.33
3.00	0.83	0.74	0.78	0.74	0.70	0.64	0.59	0.55	0.54	0.51	0.43	0.37
3.50	0.89	0.79	0.84	0.79	0.75	0.70	0.64	0.60	0.58	0.55	0.47	0.43
4.00	0.94	0.82	0.88	0.83	0.78	0.73	0.67	0.64	0.61	0.59	0.50	0.43
4.50	1.00	0.86	0.93	0.88	0.82	0.78	0.72	0.69	0.65	0.63	0.54	0.43
5.00	1.04	0.89	0.97	0.91	0.85	0.82	0.75	0.72	0.68	0.66	0.57	0.43

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	15.0	30.0	45.0	60.0	75.0	90.0
45.0	7274	7533	8075	8273	7892	6454	5614
50.0	6249	6526	7247	7746	7545	6085	5119
55.0	5317	5598	6408	7201	7095	5666	4647
60.0	4515	4773	5587	6639	6780	5430	4179
65.0	3827	4072	4887	6086	6620	5165	3717
70.0	3255	3490	4270	5591	6476	4933	3303
75.0	2788	3023	3794	5176	6320	4982	2918
80.0	2411	2664	3407	4885	6279	5283	2613
85.0	2176	2422	3211	4747	6458	5856	2460
90.0	2110	2391	3236	4892	7018	6709	3169

(cd/m²)

LVC1220812

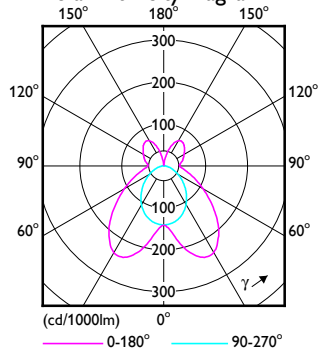
2022-12-13



**SP800P LED41 840 1 x LED L120W6 CD**

1 x 4100 lm

Polar intensity diagram

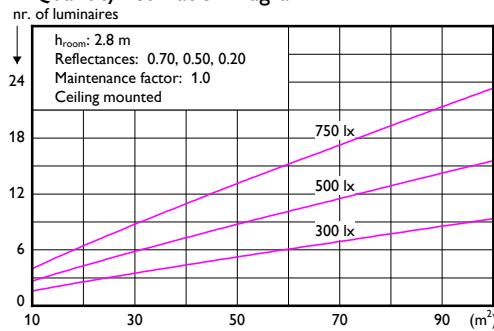


Light output ratio 1.00  
Service upward 0.29  
Service downward 0.71

CIE flux code 40 69 88 71 100

UGRcen (4Hx8H, 0.25H) 21

Quantity estimation diagram

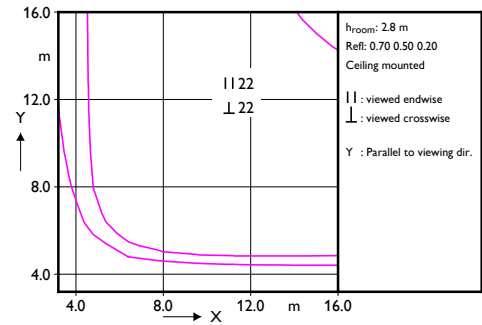


Utilisation factor table

Room Index k	Reflectances (%) for ceiling, walls and working plane (CIE)											
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00	0.00
0.60	0.80	0.80	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.10	0.00	0.00
0.80	0.50	0.50	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
1.00	0.59	0.55	0.56	0.54	0.53	0.45	0.42	0.37	0.38	0.34	0.28	0.24
1.25	0.67	0.62	0.64	0.61	0.59	0.52	0.47	0.43	0.43	0.39	0.33	0.28
1.50	0.73	0.67	0.69	0.66	0.63	0.57	0.52	0.48	0.48	0.44	0.37	0.33
2.00	0.83	0.74	0.78	0.74	0.70	0.64	0.59	0.55	0.54	0.51	0.43	0.37
2.50	0.89	0.79	0.84	0.79	0.75	0.70	0.64	0.60	0.58	0.55	0.47	0.43
3.00	0.94	0.82	0.88	0.83	0.78	0.73	0.67	0.64	0.61	0.59	0.50	0.43
4.00	1.00	0.86	0.93	0.88	0.82	0.78	0.72	0.69	0.65	0.63	0.54	0.43
5.00	1.04	0.89	0.97	0.91	0.85	0.82	0.75	0.72	0.68	0.66	0.57	0.43

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	15.0	30.0	45.0	60.0	75.0	90.0
45.0	7274	7533	8075	8273	7892	6454	5614
50.0	6249	6526	7247	7746	7545	6085	5119
55.0	5317	5598	6408	7201	7095	5666	4647
60.0	4515	4773	5587	6639	6780	5430	4179
65.0	3827	4072	4887	6086	6620	5165	3717
70.0	3255	3490	4270	5591	6476	4933	3303
75.0	2788	3023	3794	5176	6320	4982	2918
80.0	2411	2664	3407	4885	6279	5283	2613
85.0	2176	2422	3211	4747	6458	5856	2460
90.0	2110	2391	3236	4892	7018	6709	3169

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

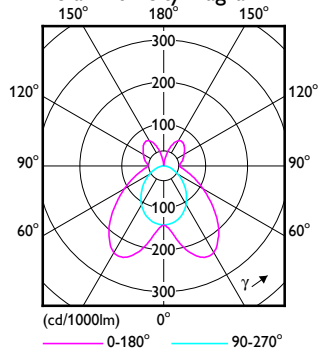
LVC1220812

2022-12-13

## SP800P LED41 840 1 x LED L120W6 SD

1 x 4100 lm

Polar intensity diagram

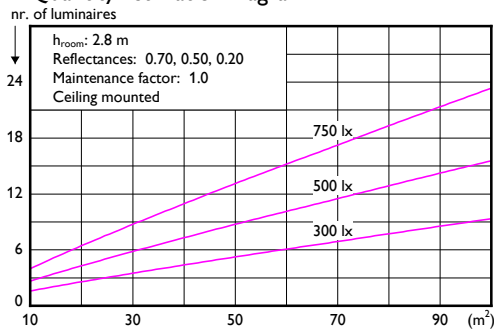


Light output ratio 1.00  
Service upward 0.29  
Service downward 0.71

CIE flux code 40 69 88 71 100

UGRcen (4Hx8H, 0.25H) 21

Quantity estimation diagram

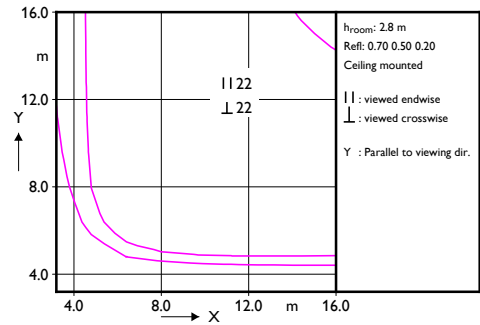


Utilisation factor table

Room Index k	Reflectances (%) for ceiling, walls and working plane (CIE)											
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00	0.00
0.60	0.80	0.80	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.10	0.00	0.00
0.80	0.50	0.50	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
1.00	0.59	0.55	0.56	0.54	0.53	0.45	0.42	0.37	0.38	0.34	0.28	0.24
1.25	0.67	0.62	0.64	0.61	0.59	0.52	0.47	0.43	0.43	0.39	0.33	0.28
1.50	0.73	0.67	0.69	0.66	0.63	0.57	0.52	0.48	0.48	0.44	0.37	0.33
2.00	0.83	0.74	0.78	0.74	0.70	0.64	0.59	0.55	0.54	0.51	0.43	0.37
2.50	0.89	0.79	0.84	0.79	0.75	0.70	0.64	0.60	0.58	0.55	0.47	0.43
3.00	0.94	0.82	0.88	0.83	0.78	0.73	0.67	0.64	0.61	0.59	0.50	0.43
4.00	1.00	0.86	0.93	0.88	0.82	0.78	0.72	0.69	0.65	0.63	0.54	0.43
5.00	1.04	0.89	0.97	0.91	0.85	0.82	0.75	0.72	0.68	0.66	0.57	0.43

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	15.0	30.0	45.0	60.0	75.0	90.0
45.0	7274	7533	8075	8273	7892	6454	5614
50.0	6249	6526	7247	7746	7545	6085	5119
55.0	5317	5598	6408	7201	7095	5666	4647
60.0	4515	4773	5587	6639	6780	5430	4179
65.0	3827	4072	4887	6086	6620	5165	3717
70.0	3255	3490	4270	5591	6476	4933	3303
75.0	2788	3023	3794	5176	6320	4982	2918
80.0	2411	2664	3407	4885	6279	5283	2613
85.0	2176	2422	3211	4747	6458	5856	2460
90.0	2110	2391	3236	4892	7018	6709	3169

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

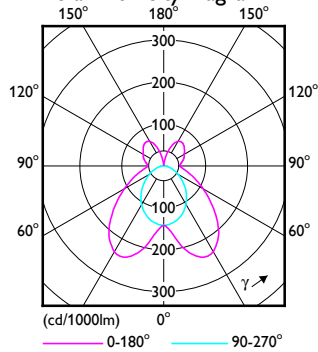
LVC1220812

2022-12-13

# SP800P LED52 840 1 x LED L150W6 CD PSD

1 x 5200 lm

Polar intensity diagram

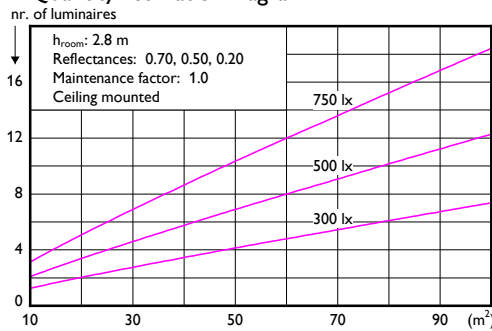


Light output ratio 1.00  
Service upward 0.29  
Service downward 0.71

CIE flux code 40 69 88 71 100

UGRcen (4Hx8H, 0.25H) 21

Quantity estimation diagram

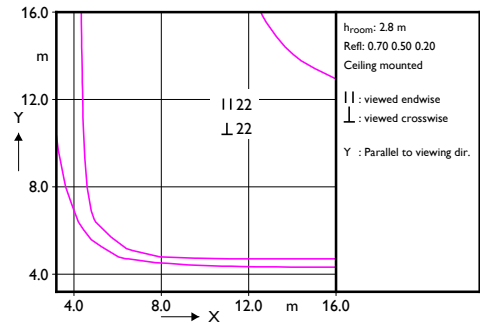


Utilisation factor table

Room Index k	Reflectances (%) for ceiling, walls and working plane (CIE)											
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00	0.00
0.60	0.80	0.80	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.10	0.00	0.00
0.80	0.50	0.50	0.30	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.00	0.00
1.00	0.30	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
1.25	0.60	0.41	0.39	0.40	0.39	0.38	0.31	0.28	0.24	0.26	0.22	0.18
1.50	0.51	0.48	0.49	0.47	0.46	0.39	0.36	0.31	0.33	0.33	0.28	0.24
1.75	0.59	0.55	0.56	0.54	0.53	0.45	0.42	0.37	0.38	0.34	0.28	0.24
2.00	0.67	0.62	0.64	0.61	0.59	0.52	0.47	0.43	0.43	0.39	0.33	0.28
2.50	0.73	0.67	0.69	0.66	0.63	0.57	0.52	0.48	0.48	0.44	0.37	0.33
3.00	0.83	0.74	0.78	0.74	0.70	0.64	0.59	0.55	0.54	0.51	0.43	0.37
3.50	0.89	0.79	0.84	0.79	0.75	0.70	0.64	0.60	0.58	0.55	0.47	0.43
4.00	0.94	0.82	0.88	0.83	0.78	0.73	0.67	0.64	0.61	0.59	0.50	0.43
4.50	1.00	0.86	0.93	0.88	0.82	0.78	0.72	0.69	0.65	0.63	0.54	0.43
5.00	1.04	0.89	0.97	0.91	0.85	0.82	0.75	0.72	0.68	0.66	0.57	0.43

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	15.0	30.0	45.0	60.0	75.0	90.0
45.0	7363	7656	8179	8447	8067	6653	5770
50.0	6328	6615	7342	7953	7658	6246	5247
55.0	5394	5684	6489	7391	7284	5947	4764
60.0	4585	4861	5695	6788	7026	5645	4341
65.0	3904	4154	4995	6231	6815	5305	3890
70.0	3336	3567	4404	5746	6659	5106	3470
75.0	2849	3096	3887	5324	6545	5270	3074
80.0	2475	2726	3498	5003	6509	5541	2743
85.0	2236	2489	3292	4870	6684	6336	3516
90.0	2204	2479	3323	5026	7239	7353	6724

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

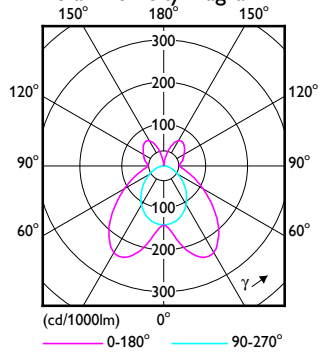
LVC1220814

2022-12-13

**SP800P LED41 840 1 x LED L120W6 CD PSD**

1 x 4100 lm

Polar intensity diagram

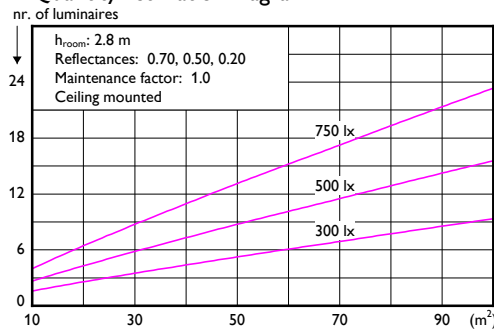


Light output ratio 1.00  
Service upward 0.29  
Service downward 0.71

CIE flux code 40 69 88 71 100

UGR<sub>cen</sub> (4Hx8H, 0.25H) 21

Quantity estimation diagram

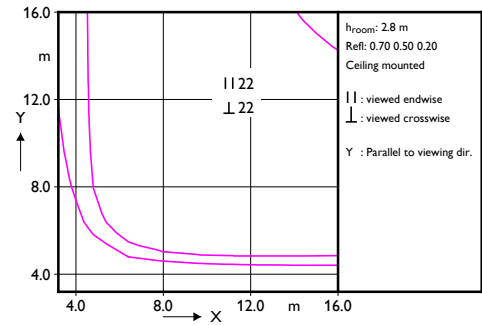


Utilisation factor table

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	0.80	0.80	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.10	0.00	0.00
0.80	0.50	0.50	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
1.00	0.59	0.55	0.56	0.54	0.53	0.45	0.42	0.37	0.38	0.34	0.28	0.24
1.25	0.67	0.62	0.64	0.61	0.59	0.52	0.47	0.43	0.43	0.39	0.33	0.28
1.50	0.73	0.67	0.69	0.66	0.63	0.57	0.52	0.48	0.48	0.44	0.37	0.33
2.00	0.83	0.74	0.78	0.74	0.70	0.64	0.59	0.55	0.54	0.51	0.43	0.37
2.50	0.89	0.79	0.84	0.79	0.75	0.70	0.64	0.60	0.58	0.55	0.47	0.43
3.00	0.94	0.82	0.88	0.83	0.78	0.73	0.67	0.64	0.61	0.59	0.50	0.47
4.00	1.00	0.86	0.93	0.88	0.82	0.78	0.72	0.69	0.65	0.63	0.54	0.50
5.00	1.04	0.89	0.97	0.91	0.85	0.82	0.75	0.72	0.68	0.66	0.57	0.54

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	15.0	30.0	45.0	60.0	75.0	90.0
45.0	7274	7533	8075	8273	7892	6454	5614
50.0	6249	6526	7247	7746	7545	6085	5119
55.0	5317	5598	6408	7201	7095	5666	4647
60.0	4515	4773	5587	6639	6780	5430	4179
65.0	3827	4072	4887	6086	6620	5165	3717
70.0	3255	3490	4270	5591	6476	4933	3303
75.0	2788	3023	3794	5176	6320	4982	2918
80.0	2411	2664	3407	4885	6279	5283	2613
85.0	2176	2422	3211	4747	6458	5856	2460
90.0	2110	2391	3236	4892	7018	6709	3169

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

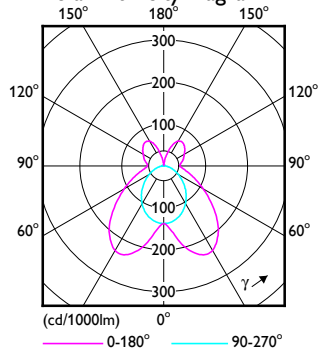
LVC1220812

2022-12-13

**SP800P LED21 840 1 x LED L60W6 SD PSD**

1 x 2100 lm

Polar intensity diagram

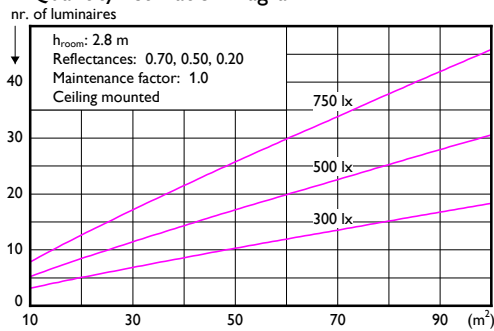


Light output ratio 1.00  
Service upward 0.29  
Service downward 0.71

CIE flux code 39 69 87 71 100

UGR<sub>cen</sub> (4Hx8H, 0.25H) 21

Quantity estimation diagram

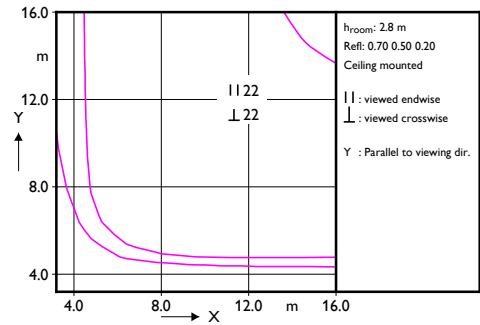


Utilisation factor table

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
	0.50 0.50			0.50 0.50 0.50 0.30				0.30 0.10		0.30 0.10			0.00
	0.30 0.10			0.30 0.20 0.10 0.10				0.10 0.10		0.10 0.10			0.00
0.60	0.41	0.39	0.39	0.38	0.37	0.30	0.28	0.23	0.25	0.21	0.18		
0.80	0.51	0.48	0.48	0.47	0.46	0.38	0.35	0.30	0.32	0.28	0.23		
1.00	0.59	0.55	0.56	0.54	0.52	0.45	0.41	0.36	0.38	0.33	0.28		
1.25	0.67	0.61	0.63	0.61	0.58	0.51	0.47	0.42	0.43	0.39	0.33		
1.50	0.73	0.66	0.69	0.66	0.63	0.56	0.52	0.47	0.47	0.43	0.37		
2.00	0.82	0.73	0.77	0.74	0.70	0.64	0.59	0.54	0.53	0.50	0.42		
2.50	0.88	0.78	0.83	0.79	0.75	0.69	0.63	0.60	0.58	0.55	0.46		
3.00	0.93	0.81	0.87	0.82	0.78	0.73	0.67	0.63	0.61	0.58	0.49		
4.00	0.99	0.86	0.93	0.87	0.82	0.78	0.71	0.68	0.65	0.62	0.53		
5.00	1.03	0.88	0.96	0.90	0.85	0.81	0.74	0.71	0.67	0.65	0.56		

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	15.0	30.0	45.0	60.0	75.0	90.0
45.0	7388	7547	8029	8215	7775	6295	5388
50.0	6347	6583	7226	7745	7428	6003	4911
55.0	5416	5664	6394	7201	6994	5751	4468
60.0	4598	4840	5630	6666	6799	5318	4065
65.0	3910	4139	4955	6137	6581	5040	3601
70.0	3304	3565	4360	5655	6356	4907	3228
75.0	2849	3103	3885	5277	6261	4908	2829
80.0	2474	2739	3551	4984	6282	5046	2407
85.0	2263	2508	3339	4883	6448	5281	2126
90.0	2212	2487	3319	5006	6842	6296	1967

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

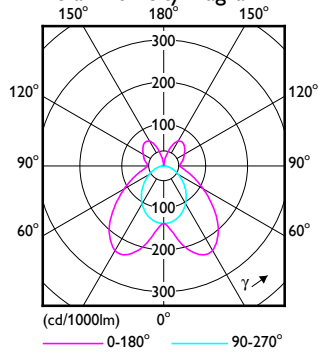
LVC1220807

2022-12-13

# SP800P LED20 940 1 x LED L60W6 SD PSD CAU

1 x 2000 lm

Polar intensity diagram

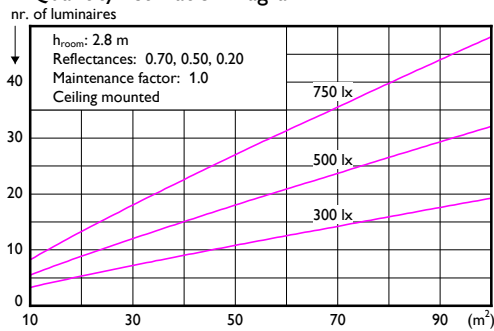


Light output ratio 1.00  
Service upward 0.29  
Service downward 0.71

CIE flux code 39 69 87 71 100

UGRcen (4Hx8H, 0.25H) 21

Quantity estimation diagram

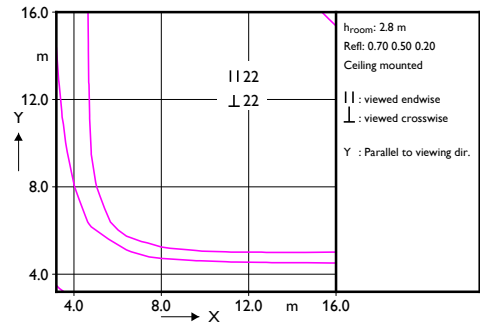


Utilisation factor table

Room Index k	Reflectances (%) for ceiling, walls and working plane (CIE)												
	0.80 0.80			0.70 0.70 0.70 0.70				0.50 0.50		0.30 0.30			0.00
	0.50 0.50			0.50 0.50 0.50 0.30				0.30 0.10		0.10 0.10			0.00
	0.30 0.10			0.30 0.20 0.10 0.10				0.10 0.10		0.10 0.10			0.00
0.60	0.41	0.39	0.39	0.38	0.37	0.30	0.28	0.23	0.25	0.21	0.18		
0.80	0.51	0.48	0.48	0.47	0.46	0.38	0.35	0.30	0.32	0.28	0.23		
1.00	0.59	0.55	0.56	0.54	0.52	0.45	0.41	0.36	0.38	0.33	0.28		
1.25	0.67	0.61	0.63	0.61	0.58	0.51	0.47	0.42	0.43	0.39	0.33		
1.50	0.73	0.66	0.69	0.66	0.63	0.56	0.52	0.47	0.47	0.43	0.37		
2.00	0.82	0.73	0.77	0.74	0.70	0.64	0.59	0.54	0.53	0.50	0.42		
2.50	0.88	0.78	0.83	0.79	0.75	0.69	0.63	0.60	0.58	0.55	0.46		
3.00	0.93	0.81	0.87	0.82	0.78	0.73	0.67	0.63	0.61	0.58	0.49		
4.00	0.99	0.86	0.93	0.87	0.82	0.78	0.71	0.68	0.65	0.62	0.53		
5.00	1.03	0.88	0.96	0.90	0.85	0.81	0.74	0.71	0.67	0.65	0.56		

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	15.0	30.0	45.0	60.0	75.0	90.0
45.0	7036	7187	7646	7824	7405	5995	5131
50.0	6045	6270	6882	7376	7075	5718	4677
55.0	5159	5394	6090	6858	6661	5477	4255
60.0	4379	4609	5362	6349	6476	5064	3872
65.0	3723	3942	4719	5845	6267	4800	3429
70.0	3147	3395	4152	5386	6053	4674	3075
75.0	2714	2955	3700	5026	5962	4674	2694
80.0	2356	2609	3382	4747	5983	4805	2292
85.0	2155	2389	3180	4651	6141	5029	2024
90.0	2107	2369	3161	4768	6516	5996	1874

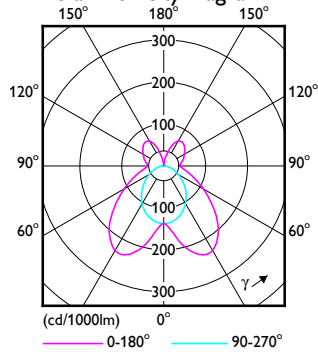
(cd/m<sup>2</sup>)

LVC1220807

2022-12-13

**SP800P LED20 940 1 x LED L60W6 SD PSD**

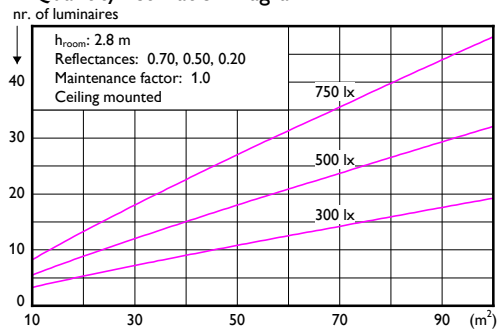
1 x 2000 lm

**Polar intensity diagram**

Light output ratio 1.00  
 Service upward 0.29  
 Service downward 0.71

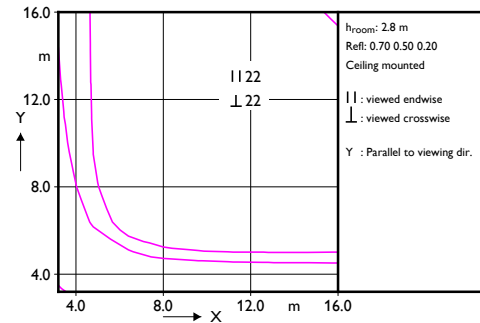
CIE flux code 39 69 87 71 100

UGRcen (4Hx8H, 0.25H) 21

**Quantity estimation diagram****Utilisation factor table**

Room Index k	Reflectances (%) for ceiling, walls and working plane (CIE)															
	0.80 0.80				0.70 0.70 0.70 0.70				0.50 0.50				0.30 0.30			
	0.50 0.50	0.30 0.10	0.30 0.20	0.10 0.10	0.50 0.50	0.30 0.10	0.30 0.20	0.10 0.10	0.50 0.50	0.30 0.10	0.30 0.20	0.10 0.10	0.50 0.50	0.30 0.10	0.30 0.20	0.10 0.10
0.60	0.41	0.39	0.39	0.38	0.37	0.30	0.28	0.23	0.25	0.21	0.18	0.18	0.25	0.21	0.18	0.18
0.80	0.51	0.48	0.48	0.47	0.46	0.38	0.35	0.30	0.32	0.28	0.23	0.23	0.32	0.28	0.23	0.23
1.00	0.59	0.55	0.56	0.54	0.52	0.45	0.41	0.36	0.38	0.33	0.28	0.28	0.38	0.33	0.28	0.28
1.25	0.67	0.61	0.63	0.61	0.58	0.51	0.47	0.42	0.43	0.39	0.33	0.33	0.43	0.39	0.33	0.33
1.50	0.73	0.66	0.69	0.66	0.63	0.56	0.52	0.47	0.47	0.43	0.37	0.37	0.47	0.43	0.37	0.37
2.00	0.82	0.73	0.77	0.74	0.70	0.64	0.59	0.54	0.53	0.50	0.42	0.42	0.53	0.50	0.42	0.42
2.50	0.88	0.78	0.83	0.79	0.75	0.69	0.63	0.60	0.58	0.55	0.46	0.46	0.58	0.55	0.46	0.46
3.00	0.93	0.81	0.87	0.82	0.78	0.73	0.67	0.63	0.61	0.58	0.49	0.49	0.61	0.58	0.49	0.49
4.00	0.99	0.86	0.93	0.87	0.82	0.78	0.71	0.68	0.65	0.62	0.53	0.53	0.65	0.62	0.53	0.53
5.00	1.03	0.88	0.96	0.90	0.85	0.81	0.74	0.71	0.67	0.65	0.56	0.56	0.67	0.65	0.56	0.56

Ceiling mounted

**UGR diagram****Luminance Table**

Plane Cone	0.0	15.0	30.0	45.0	60.0	75.0	90.0
45.0	7036	7187	7646	7824	7405	5995	5131
50.0	6045	6270	6882	7376	7075	5718	4677
55.0	5159	5394	6090	6858	6661	5477	4255
60.0	4379	4609	5362	6349	6476	5064	3872
65.0	3723	3942	4719	5845	6267	4800	3429
70.0	3147	3395	4152	5386	6053	4674	3075
75.0	2714	2955	3700	5026	5962	4674	2694
80.0	2356	2609	3382	4747	5983	4805	2292
85.0	2155	2389	3180	4651	6141	5029	2024
90.0	2107	2369	3161	4768	6516	5996	1874

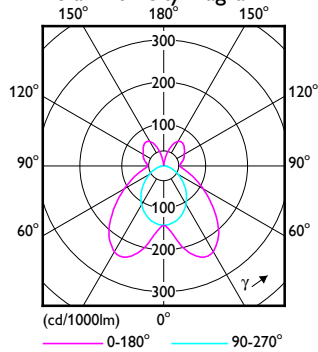
(cd/m²)

LVC1220807

2022-12-13

**SP800P LED52 840 1 x LED L150W6 SD PSD CAU**

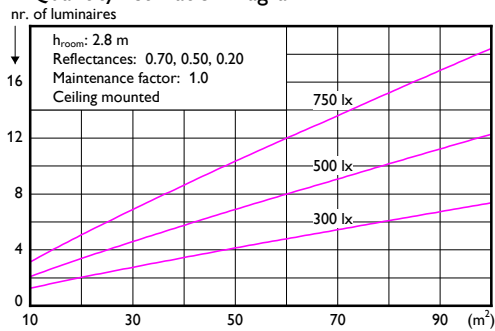
1 x 5200 lm

**Polar intensity diagram**

Light output ratio 1.00  
 Service upward 0.29  
 Service downward 0.71

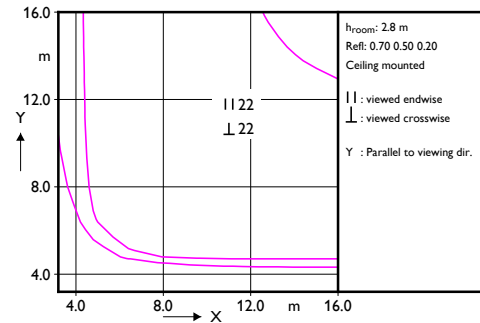
CIE flux code 40 69 88 71 100

UGRcen (4Hx8H, 0.25H) 21

**Quantity estimation diagram****Utilisation factor table**

Room Index k	Reflectances (%) for ceiling, walls and working plane (CIE)													
	0.80 0.80		0.70 0.70 0.70 0.70				0.50 0.50		0.30 0.30		0.00			
	0.50 0.50		0.30 0.50 0.50 0.30				0.30 0.10		0.30 0.10		0.00			
	0.30 0.10		0.30 0.20 0.10 0.30				0.10 0.10		0.10 0.10		0.00			
0.60	0.41	0.39	0.40	0.39	0.38	0.31	0.28	0.24	0.26	0.22	0.18			
0.80	0.51	0.48	0.49	0.47	0.46	0.39	0.36	0.31	0.33	0.28	0.24			
1.00	0.59	0.55	0.56	0.54	0.53	0.45	0.42	0.37	0.38	0.34	0.28			
1.25	0.67	0.62	0.64	0.61	0.59	0.52	0.47	0.43	0.43	0.39	0.33			
1.50	0.73	0.67	0.69	0.66	0.63	0.57	0.52	0.48	0.48	0.44	0.37			
2.00	0.83	0.74	0.78	0.74	0.70	0.64	0.59	0.55	0.54	0.51	0.43			
2.50	0.89	0.79	0.84	0.79	0.75	0.70	0.64	0.60	0.58	0.55	0.47			
3.00	0.94	0.82	0.88	0.83	0.78	0.73	0.67	0.64	0.61	0.59	0.50			
4.00	1.00	0.86	0.93	0.88	0.82	0.78	0.72	0.69	0.65	0.63	0.54			
5.00	1.04	0.89	0.97	0.91	0.85	0.82	0.75	0.72	0.68	0.66	0.57			

Ceiling mounted

**UGR diagram****Luminance Table**

Plane Cone	0.0	15.0	30.0	45.0	60.0	75.0	90.0
45.0	7363	7656	8179	8447	8067	6653	5770
50.0	6328	6615	7342	7953	7658	6246	5247
55.0	5394	5684	6489	7391	7284	5947	4764
60.0	4585	4861	5695	6788	7026	5645	4341
65.0	3904	4154	4995	6231	6815	5305	3890
70.0	3336	3567	4404	5746	6659	5106	3470
75.0	2849	3096	3887	5324	6545	5270	3074
80.0	2475	2726	3498	5003	6509	5541	2743
85.0	2236	2489	3292	4870	6684	6336	3516
90.0	2204	2479	3323	5026	7239	7353	6724

(cd/m²)

LVC1220814

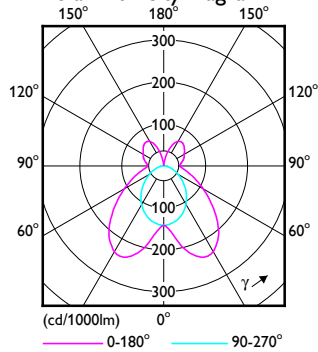
2022-12-13



**SP800P LED52 840 1 x LED L150W6 SD**

1 x 5200 lm

Polar intensity diagram

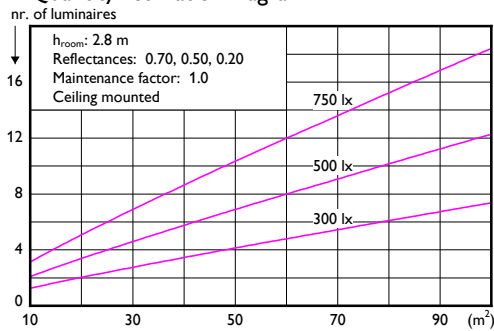


Light output ratio 1.00  
Service upward 0.29  
Service downward 0.71

CIE flux code 40 69 88 71 100

UGRcen (4Hx8H, 0.25H) 21

Quantity estimation diagram

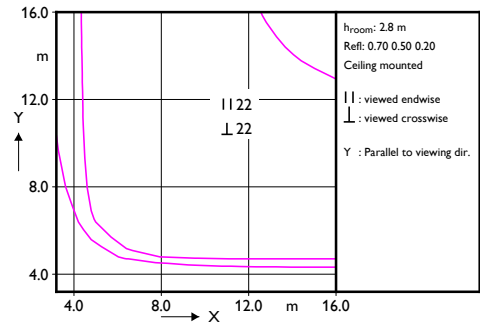


Utilisation factor table

Room Index k	Reflectances (%) for ceiling, walls and working plane (CIE)											
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00	0.00
0.60	0.80	0.80	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.10	0.00	0.00
0.80	0.80	0.80	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.10	0.00	0.00
1.00	0.80	0.80	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.10	0.00	0.00
1.25	0.80	0.80	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.10	0.00	0.00
1.50	0.80	0.80	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.10	0.00	0.00
2.00	0.80	0.80	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.10	0.00	0.00
2.50	0.80	0.80	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.10	0.00	0.00
3.00	0.80	0.80	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.10	0.00	0.00
4.00	0.80	0.80	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.10	0.00	0.00
5.00	0.80	0.80	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.10	0.00	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	7363	7656	8179	8447	8067	6653	5770
50.0	6328	6615	7342	7953	7658	6246	5247
55.0	5394	5684	6489	7391	7284	5947	4764
60.0	4585	4861	5695	6788	7026	5645	4341
65.0	3904	4154	4995	6231	6815	5305	3890
70.0	3336	3567	4404	5746	6659	5106	3470
75.0	2849	3096	3887	5324	6545	5270	3074
80.0	2475	2726	3498	5003	6509	5541	2743
85.0	2236	2489	3292	4870	6684	6336	3516
90.0	2204	2479	3323	5026	7239	7353	6724

(cd/m²)

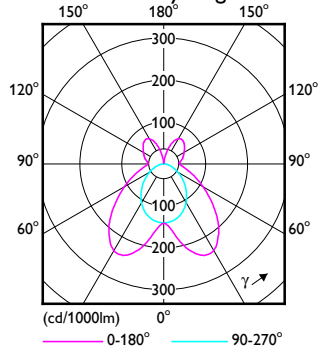
LVC1220814

2022-12-13

**SP800P LED38 940 1 x LED L120W6 SD PSD**

1 x 3800 lm

**Polar intensity diagram**

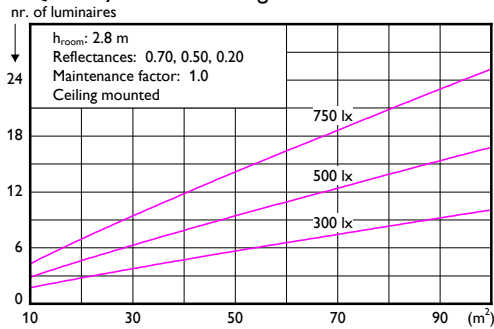


Light output ratio 1.00  
Service upward 0.29  
Service downward 0.71

CIE flux code 40 69 88 71 100

UGRcen (4Hx8H, 0.25H) 20

**Quantity estimation diagram**

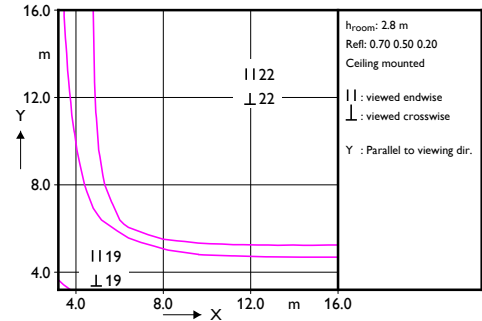


**Utilisation factor table**

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	0.41	0.39	0.40	0.39	0.38	0.31	0.28	0.24	0.26	0.22	0.18	0.18
0.80	0.51	0.48	0.49	0.47	0.46	0.39	0.36	0.31	0.33	0.28	0.24	0.24
1.00	0.59	0.55	0.56	0.54	0.53	0.45	0.42	0.37	0.38	0.34	0.28	0.28
1.25	0.67	0.62	0.64	0.61	0.59	0.52	0.47	0.43	0.43	0.39	0.33	0.33
1.50	0.73	0.67	0.69	0.66	0.63	0.57	0.52	0.48	0.48	0.44	0.37	0.37
2.00	0.83	0.74	0.78	0.74	0.70	0.64	0.59	0.55	0.54	0.51	0.43	0.43
2.50	0.89	0.79	0.84	0.79	0.75	0.70	0.64	0.60	0.58	0.55	0.47	0.47
3.00	0.94	0.82	0.88	0.83	0.78	0.73	0.67	0.64	0.61	0.59	0.50	0.50
4.00	1.00	0.86	0.93	0.88	0.82	0.78	0.72	0.69	0.65	0.63	0.54	0.54
5.00	1.04	0.89	0.97	0.91	0.85	0.82	0.75	0.72	0.68	0.66	0.57	0.57

Ceiling mounted

**UGR diagram**



**Luminance Table**

Plane Cone	0.0	15.0	30.0	45.0	60.0	75.0	90.0
45.0	6742	6982	7484	7667	7315	5982	5203
50.0	5792	6049	6717	7179	6993	5640	4744
55.0	4928	5188	5939	6674	6575	5252	4307
60.0	4185	4424	5178	6153	6284	5033	3873
65.0	3547	3774	4529	5641	6136	4787	3445
70.0	3017	3235	3957	5181	6002	4572	3061
75.0	2584	2802	3516	4797	5858	4617	2705
80.0	2234	2469	3158	4527	5820	4896	2422
85.0	2017	2245	2976	4399	5985	5428	2280
90.0	1956	2216	2999	4534	6504	6218	2937

(cd/m²)

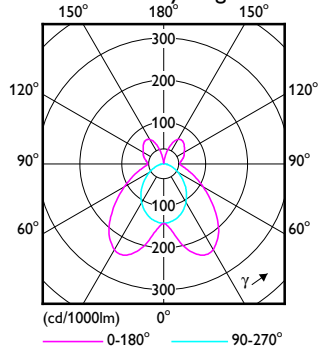
LVC1220812

2022-12-13

## SP800P LED21 840 1 x LED L60W6 SD

1 x 2100 lm

Polar intensity diagram

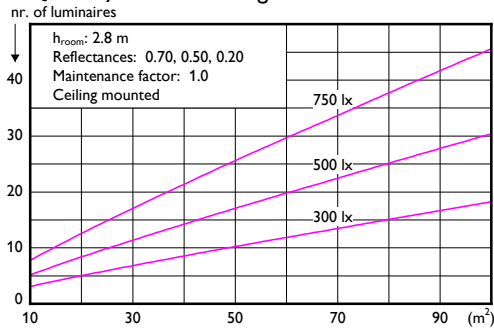


Light output ratio 1.00  
Service upward 0.29  
Service downward 0.71

CIE flux code 40 69 88 71 100

UGRcen (4Hx8H, 0.25H) 21

Quantity estimation diagram

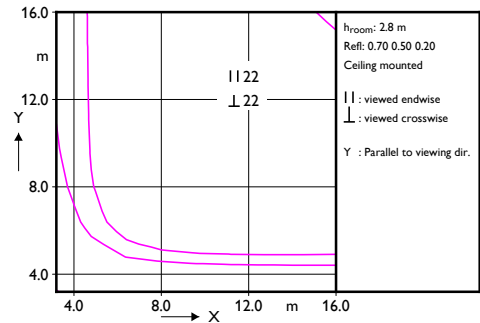


Utilisation factor table

Room Index k	Reflectances (%) for ceiling, walls and working plane (CIE)											
	0.80	0.80	0.70	0.70	0.70	0.70	0.50	0.50	0.30	0.30	0.00	0.00
0.60	0.80	0.80	0.50	0.50	0.50	0.30	0.30	0.10	0.10	0.10	0.00	0.00
0.80	0.50	0.50	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
1.00	0.30	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
1.25	0.60	0.41	0.39	0.40	0.39	0.38	0.31	0.28	0.24	0.26	0.22	0.18
1.50	0.51	0.48	0.49	0.47	0.46	0.39	0.36	0.31	0.33	0.33	0.28	0.24
1.75	0.59	0.55	0.56	0.54	0.53	0.45	0.42	0.37	0.38	0.34	0.34	0.28
2.00	0.67	0.62	0.64	0.61	0.59	0.52	0.47	0.43	0.43	0.39	0.33	0.33
2.50	0.73	0.67	0.69	0.66	0.63	0.57	0.52	0.48	0.48	0.44	0.37	0.37
3.00	0.83	0.74	0.78	0.74	0.70	0.64	0.59	0.55	0.54	0.51	0.43	0.43
3.50	0.89	0.79	0.84	0.79	0.75	0.70	0.64	0.60	0.58	0.55	0.47	0.47
4.00	0.94	0.82	0.88	0.83	0.78	0.73	0.67	0.64	0.61	0.59	0.50	0.50
4.50	1.00	0.86	0.93	0.88	0.82	0.78	0.72	0.69	0.65	0.63	0.54	0.54
5.00	1.04	0.89	0.97	0.91	0.85	0.82	0.75	0.72	0.68	0.66	0.57	0.57

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	15.0	30.0	45.0	60.0	75.0	90.0
45.0	7360	7597	8053	8250	7809	6375	5461
50.0	6326	6559	7219	7750	7386	5950	4917
55.0	5393	5632	6371	7184	6998	5629	4413
60.0	4584	4814	5584	6582	6721	5303	3963
65.0	3903	4111	4890	6025	6489	4941	3485
70.0	3335	3527	4304	5540	6307	4707	3029
75.0	2848	3059	3792	5116	6161	4795	2581
80.0	2474	2691	3406	4789	6082	4957	2157
85.0	2235	2454	3197	4641	6190	5538	2406
90.0	2203	2442	3219	4765	6627	6203	2716

(cd/m²)

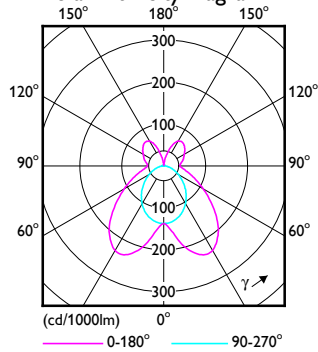
LVC1220814

2022-12-13

## SP800P LED21 840 1 x LED L60W6 CD

1 x 2100 lm

Polar intensity diagram

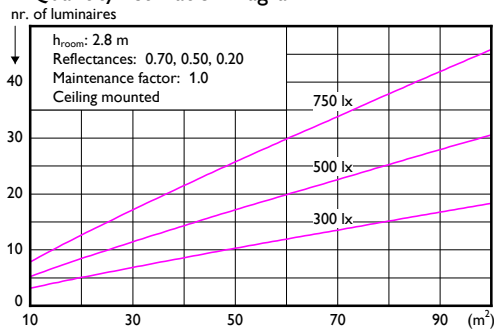


Light output ratio 1.00  
Service upward 0.29  
Service downward 0.71

CIE flux code 39 69 87 71 100

UGRcen (4Hx8H, 0.25H) 21

Quantity estimation diagram

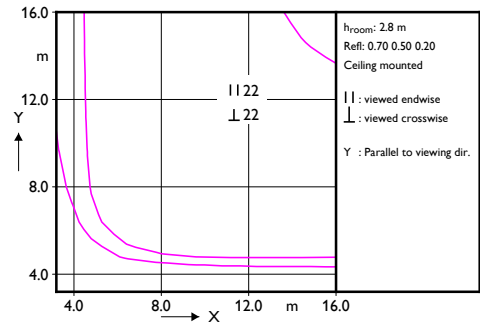


Utilisation factor table

Room Index k	Reflectances (%) for ceiling, walls and working plane (CIE)															
	0.80 0.80				0.70 0.70 0.70 0.70				0.50 0.50				0.30 0.30			
	0.50 0.50	0.30 0.10	0.30 0.20	0.10 0.10	0.50 0.50	0.30 0.10	0.30 0.20	0.10 0.10	0.50 0.50	0.30 0.10	0.30 0.20	0.10 0.10	0.50 0.50	0.30 0.10	0.30 0.20	0.10 0.10
0.60	0.41	0.39	0.39	0.38	0.37	0.30	0.28	0.23	0.25	0.21	0.18					
0.80	0.51	0.48	0.48	0.47	0.46	0.38	0.35	0.30	0.32	0.28	0.23					
1.00	0.59	0.55	0.56	0.54	0.52	0.45	0.41	0.36	0.38	0.33	0.28					
1.25	0.67	0.61	0.63	0.61	0.58	0.51	0.47	0.42	0.43	0.39	0.33					
1.50	0.73	0.66	0.69	0.66	0.63	0.56	0.52	0.47	0.47	0.43	0.37					
2.00	0.82	0.73	0.77	0.74	0.70	0.64	0.59	0.54	0.53	0.50	0.42					
2.50	0.88	0.78	0.83	0.79	0.75	0.69	0.63	0.60	0.58	0.55	0.46					
3.00	0.93	0.81	0.87	0.82	0.78	0.73	0.67	0.63	0.61	0.58	0.49					
4.00	0.99	0.86	0.93	0.87	0.82	0.78	0.71	0.68	0.65	0.62	0.53					
5.00	1.03	0.88	0.96	0.90	0.85	0.81	0.74	0.71	0.67	0.65	0.56					

Ceiling mounted

UGR diagram



Luminance Table

Plane Cone	0.0	15.0	30.0	45.0	60.0	75.0	90.0
45.0	7388	7547	8029	8215	7775	6295	5388
50.0	6347	6583	7226	7745	7428	6003	4911
55.0	5416	5664	6394	7201	6994	5751	4468
60.0	4598	4840	5630	6666	6799	5318	4065
65.0	3910	4139	4955	6137	6581	5040	3601
70.0	3304	3565	4360	5655	6356	4907	3228
75.0	2849	3103	3885	5277	6261	4908	2829
80.0	2474	2739	3551	4984	6282	5046	2407
85.0	2263	2508	3339	4883	6448	5281	2126
90.0	2212	2487	3319	5006	6842	6296	1967

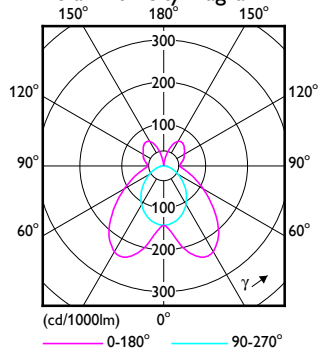
(cd/m²)

LVC1220807

2022-12-13

**SP800P LED52 840 1 x LED L150W6 CD**

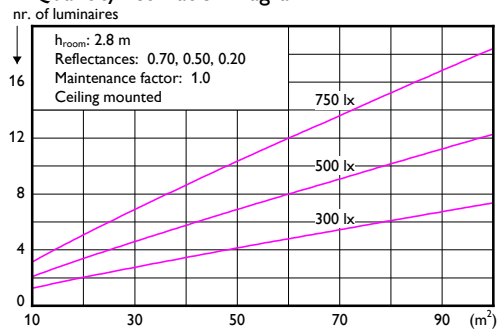
1 x 5200 lm

**Polar intensity diagram**

Light output ratio 1.00  
 Service upward 0.29  
 Service downward 0.71

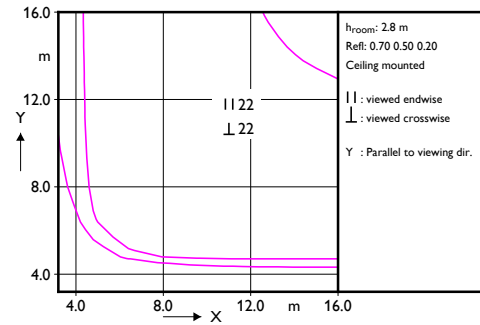
CIE flux code 40 69 88 71 100

UGRcen (4Hx8H, 0.25H) 21

**Quantity estimation diagram****Utilisation factor table**

Room Index k	Reflectances (%) for ceiling, walls and working plane (CIE)													
	0.80 0.80		0.70 0.70 0.70 0.70				0.50 0.50		0.30 0.30		0.00			
	0.50 0.50		0.50 0.50 0.50 0.30				0.30 0.10		0.30 0.10		0.00			
	0.30 0.10		0.30 0.20 0.10 0.10				0.10 0.10		0.10 0.10		0.00			
0.60	0.41	0.39	0.40	0.39	0.38	0.31	0.28	0.24	0.26	0.22	0.18			
0.80	0.51	0.48	0.49	0.47	0.46	0.39	0.36	0.31	0.33	0.28	0.24			
1.00	0.59	0.55	0.56	0.54	0.53	0.45	0.42	0.37	0.38	0.34	0.28			
1.25	0.67	0.62	0.64	0.61	0.59	0.52	0.47	0.43	0.43	0.39	0.33			
1.50	0.73	0.67	0.69	0.66	0.63	0.57	0.52	0.48	0.48	0.44	0.37			
2.00	0.83	0.74	0.78	0.74	0.70	0.64	0.59	0.55	0.54	0.51	0.43			
2.50	0.89	0.79	0.84	0.79	0.75	0.70	0.64	0.60	0.58	0.55	0.47			
3.00	0.94	0.82	0.88	0.83	0.78	0.73	0.67	0.64	0.61	0.59	0.50			
4.00	1.00	0.86	0.93	0.88	0.82	0.78	0.72	0.69	0.65	0.63	0.54			
5.00	1.04	0.89	0.97	0.91	0.85	0.82	0.75	0.72	0.68	0.66	0.57			

Ceiling mounted

**UGR diagram****Luminance Table**

Plane Cone	0.0	15.0	30.0	45.0	60.0	75.0	90.0
45.0	7363	7656	8179	8447	8067	6653	5770
50.0	6328	6615	7342	7953	7658	6246	5247
55.0	5394	5684	6489	7391	7284	5947	4764
60.0	4585	4861	5695	6788	7026	5645	4341
65.0	3904	4154	4995	6231	6815	5305	3890
70.0	3336	3567	4404	5746	6659	5106	3470
75.0	2849	3096	3887	5324	6545	5270	3074
80.0	2475	2726	3498	5003	6509	5541	2743
85.0	2236	2489	3292	4870	6684	6336	3516
90.0	2204	2479	3323	5026	7239	7353	6724

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

LVC1220814

2022-12-13