



The affordable visual comfort

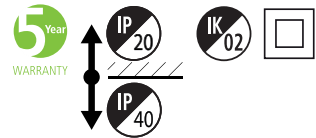
START eco Panel



START eco Panel family is an economical range of recessed LED panels for general indoor lighting applications such as breakout areas, offices and meeting rooms. They can be also installed surface mounted with the available accessory.

This range includes UGR19 or UGR22 versions in size of 600x600mm.

The optical design ensures a consistent uniform output throughout the luminaire creating a comforting, and soft light source.



Features

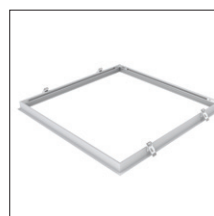
- 600x600mm module to meet the most common installation need
- Microprismatic diffuser for low glare and low UGR19 value or Opal diffuser to achieve a wide beam and provides an even and diffused lighting
- Slim size 35mm maximum (with driver 60mm)
- Available in Warm White (3000K), Neutral White (4000K) and Cool White (6500K)
- An economic version with efficacy up to 120lm/W
- Delivers up to 4200 lumen
- Meets IP40 degree of protection from the front and IK02 degree of impact resistance
- Long lifespan: 100.000 hours at 70% of the original output
- SDCM<5

Product information

Code	Description	Correlated Colour Temp (K)	Total Power Consumption (W)	Fixture Lumen (lm)	Luminaire efficacy (lm/W)	Glare Control	Nominal Product Height (mm)	Nominal Product Length (mm)	Nominal Product Width (mm)	Colour Rendering Index
START eco Panel										
0048086	START eco Panel UGR19 600x600 4000lm 840	4000	35	4000	114	<19	35	595	595	80
0048087	START eco Panel 600x600 4000lm 830	3000	35	4000	114	<22	35	595	595	80
0048088	START eco Panel 600x600 4200lm 840	4000	35	4200	120	<22	35	595	595	80
0048089	START eco Panel 600x600 4200lm 865	6500	35	4200	120	<22	35	595	595	80

Accessories

Code	Description
0062317	Plasterboard Ceiling Frame 600x600
0044613	Surface Mounting Kit 600x600x70mm
0047534	Safety cable (compatible only with UGR19 version)



0062317

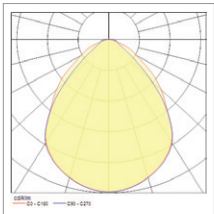


0044613

Additional Images



Photometric Data



Beam Angle (°)	Beam Diameter (mm)	Beam Area (mm²)	Beam Power (W)	Beam Illuminance (lx)	Beam Footcandle (fc)
0.5	1.00	0.785	0.001	0.001	0.001
1.0	1.57	1.93	0.004	0.004	0.004
1.5	2.35	4.30	0.016	0.016	0.016
2.0	3.14	7.75	0.039	0.039	0.039
2.5	3.93	12.27	0.071	0.071	0.071
3.0	4.71	17.85	0.103	0.103	0.103
3.5	5.50	24.49	0.135	0.135	0.135
4.0	6.28	31.17	0.167	0.167	0.167
4.5	7.07	38.81	0.199	0.199	0.199
5.0	7.85	47.12	0.231	0.231	0.231
5.5	8.64	56.00	0.263	0.263	0.263
6.0	9.42	65.45	0.295	0.295	0.295
6.5	10.21	75.48	0.327	0.327	0.327
7.0	11.00	86.09	0.359	0.359	0.359
7.5	11.78	97.28	0.391	0.391	0.391
8.0	12.57	109.05	0.423	0.423	0.423
8.5	13.36	121.40	0.455	0.455	0.455
9.0	14.14	134.35	0.487	0.487	0.487
9.5	14.93	147.90	0.519	0.519	0.519
10.0	15.71	162.05	0.551	0.551	0.551
10.5	16.50	176.80	0.583	0.583	0.583
11.0	17.29	192.15	0.615	0.615	0.615
11.5	18.08	208.10	0.647	0.647	0.647
12.0	18.87	224.65	0.679	0.679	0.679
12.5	19.66	241.80	0.711	0.711	0.711
13.0	20.45	259.55	0.743	0.743	0.743
13.5	21.24	277.90	0.775	0.775	0.775
14.0	22.03	296.85	0.807	0.807	0.807
14.5	22.82	316.40	0.839	0.839	0.839
15.0	23.61	336.55	0.871	0.871	0.871
15.5	24.40	357.30	0.903	0.903	0.903
16.0	25.19	378.65	0.935	0.935	0.935
16.5	25.98	400.60	0.967	0.967	0.967
17.0	26.77	423.15	0.999	0.999	0.999
17.5	27.56	446.30	1.031	1.031	1.031
18.0	28.35	470.05	1.063	1.063	1.063
18.5	29.14	494.40	1.095	1.095	1.095
19.0	29.93	519.35	1.127	1.127	1.127
19.5	30.72	544.90	1.159	1.159	1.159
20.0	31.51	571.05	1.191	1.191	1.191
20.5	32.30	597.80	1.223	1.223	1.223
21.0	33.09	625.15	1.255	1.255	1.255
21.5	33.88	653.10	1.287	1.287	1.287
22.0	34.67	681.65	1.319	1.319	1.319
22.5	35.46	710.80	1.351	1.351	1.351
23.0	36.25	740.55	1.383	1.383	1.383
23.5	37.04	770.90	1.415	1.415	1.415
24.0	37.83	801.85	1.447	1.447	1.447
24.5	38.62	833.40	1.479	1.479	1.479
25.0	39.41	865.55	1.511	1.511	1.511
25.5	40.20	898.30	1.543	1.543	1.543
26.0	40.99	931.65	1.575	1.575	1.575
26.5	41.78	965.60	1.607	1.607	1.607
27.0	42.57	1000.15	1.639	1.639	1.639
27.5	43.36	1035.30	1.671	1.671	1.671
28.0	44.15	1071.05	1.703	1.703	1.703
28.5	44.94	1107.40	1.735	1.735	1.735
29.0	45.73	1144.35	1.767	1.767	1.767
29.5	46.52	1181.90	1.799	1.799	1.799
30.0	47.31	1220.05	1.831	1.831	1.831
30.5	48.10	1258.80	1.863	1.863	1.863
31.0	48.89	1298.15	1.895	1.895	1.895
31.5	49.68	1338.10	1.927	1.927	1.927
32.0	50.47	1378.65	1.959	1.959	1.959
32.5	51.26	1419.80	1.991	1.991	1.991
33.0	52.05	1461.55	2.023	2.023	2.023
33.5	52.84	1503.90	2.055	2.055	2.055
34.0	53.63	1546.85	2.087	2.087	2.087
34.5	54.42	1590.40	2.119	2.119	2.119
35.0	55.21	1634.55	2.151	2.151	2.151
35.5	56.00	1679.30	2.183	2.183	2.183
36.0	56.79	1724.65	2.215	2.215	2.215
36.5	57.58	1770.60	2.247	2.247	2.247
37.0	58.37	1817.15	2.279	2.279	2.279
37.5	59.16	1864.30	2.311	2.311	2.311
38.0	59.95	1912.05	2.343	2.343	2.343
38.5	60.74	1960.40	2.375	2.375	2.375
39.0	61.53	2009.35	2.407	2.407	2.407
39.5	62.32	2058.90	2.439	2.439	2.439
40.0	63.11	2109.05	2.471	2.471	2.471
40.5	63.90	2159.80	2.503	2.503	2.503
41.0	64.69	2211.15	2.535	2.535	2.535
41.5	65.48	2263.10	2.567	2.567	2.567
42.0	66.27	2315.65	2.599	2.599	2.599
42.5	67.06	2368.80	2.631	2.631	2.631
43.0	67.85	2422.55	2.663	2.663	2.663
43.5	68.64	2476.90	2.695	2.695	2.695
44.0	69.43	2531.85	2.727	2.727	2.727
44.5	70.22	2587.40	2.759	2.759	2.759
45.0	71.01	2643.55	2.791	2.791	2.791
45.5	71.80	2700.30	2.823	2.823	2.823
46.0	72.59	2757.65	2.855	2.855	2.855
46.5	73.38	2815.60	2.887	2.887	2.887
47.0	74.17	2874.15	2.919	2.919	2.919
47.5	74.96	2933.30	2.951	2.951	2.951
48.0	75.75	2993.05	2.983	2.983	2.983
48.5	76.54	3053.40	3.015	3.015	3.015
49.0	77.33	3114.35	3.047	3.047	3.047
49.5	78.12	3175.90	3.079	3.079	3.079
50.0	78.91	3238.05	3.111	3.111	3.111
50.5	79.70	3300.80	3.143	3.143	3.143
51.0	80.49	3364.15	3.175	3.175	3.175
51.5	81.28	3428.10	3.207	3.207	3.207
52.0	82.07	3492.65	3.239	3.239	3.239
52.5	82.86	3557.80	3.271	3.271	3.271
53.0	83.65	3623.55	3.303	3.303	3.303
53.5	84.44	3689.90	3.335	3.335	3.335
54.0	85.23	3756.85	3.367	3.367	3.367
54.5	86.02	3824.40	3.399	3.399	3.399
55.0	86.81	3892.55	3.431	3.431	3.431
55.5	87.60	3961.30	3.463	3.463	3.463
56.0	88.39	4030.65	3.495	3.495	3.495
56.5	89.18	4100.60	3.527	3.527	3.527
57.0	89.97	4171.15	3.559	3.559	3.559
57.5	90.76	4242.30	3.591	3.591	3.591
58.0	91.55	4314.05	3.623	3.623	3.623
58.5	92.34	4386.40	3.655	3.655	3.655
59.0	93.13	4459.35	3.687	3.687	3.687
59.5	93.92	4532.90	3.719	3.719	3.719
60.0	94.71	4607.05	3.751	3.751	3.751
60.5	95.50	4681.80	3.783	3.783	3.783
61.0	96.29	4757.15	3.815	3.815	3.815
61.5	97.08	4833.10	3.847	3.847	3.847
62.0	97.87	4909.65	3.879	3.879	3.879
62.5	98.66	4986.80	3.911	3.911	3.911
63.0	99.45	5064.55	3.943	3.943	3.943
63.5	100.24	5142.90	3.975	3.975	3.975
64.0	101.03	5221.85	4.007	4.007	4.007
64.5	101.82	5301.40	4.039	4.039	4.039
65.0	102.61	5381.55	4.071	4.071	4.071
65.5	103.40	5462.30	4.103	4.103	4.103
66.0	104.19	5543.65	4.135	4.135	4.135
66.5	104.98	5625.60	4.167	4.167	4.167
67.0	105.77	5708.15	4.199	4.199	4.199
67.5	106.56	5791.30	4.231	4.231	4.231
68.0	107.35	5875.05	4.263	4.263	4.263
68.5	108.14	5959.40	4.295	4.295	4.295
69.0	108.93	6044.35	4.327	4.327	4.327
69.5	109.72	6129.90	4.359	4.359	4.359
70.0	110.51	6216.05	4.391	4.391	4.391
70.5	111.30	6302.80	4.423	4.423	4.423
71.0	112.09	6390.15	4.455	4.455	4.455
71.5	112.88	6478.10	4.487	4.487	4.487
72.0	113.67	6566.65	4.519	4.519	4.519
72.5	114.46	6655.80	4.551	4.551	4.551
73.0	115.25	6745.55	4.583	4.583	4.583
73.5	116.04	6835.90	4.615	4.615	4.615
74.0	116.83	6926.85	4.647	4.647	4.647
74.5	117.62	7018.40	4.679	4.679	4.679
75.0	118.41	7110.55	4.711	4.711	4.711
75.5	119.20	7203.30	4.743	4.743	4.743
76.0	119.99	7296.65	4.775	4.775	4.775
76.5	120.78	7390.60	4.807	4.807	4.807
77.0	121.57	7485.15	4.839	4.839	4.839
77.5	122.36	7580.30	4.871	4.871	4.871
78.0	123.15	7676.05	4.903	4.903	4.903
78.5	123.94	7772.40	4.935	4.935	4.935
79.0	124.73	7869.35	4.967	4.967	4.967
79.5	125.52	7966.90	4.999	4.999	4.999
80.0	126.31	8065.05	5.031	5.031	5.031
80.5	127.10	8163.80	5.063	5.063	5.063
81.0	127.89	8263.15	5.095	5.095	5.095
81.5	128.68	8363.10	5.127	5.127	5.127
82.0	129.47	8463.65	5.159	5.159	5.159
82.5	130.26	8564.80	5.191	5.191	5.191
83.0	131.05	8666.55	5.223	5.223	5.223
83.5	131.84	8768.90	5.255	5.255	5.255
84.0	132.63	8871.85	5.287	5.287	5.287
84.5	133.42	8975.40	5.319	5.319	5.319
85.0	134.21	9079.55	5.351	5.351	5.351
85.5	135.00	9184.30	5.383	5.383	5.383
86.0	135.79	9289.65	5.415	5.415	5.415
86.5	136.58	9395.60	5.447	5.447	5.447
87.0	137.37	9502.15	5.479	5.479	5.479
87.5	138.16	9609.30	5.511	5.511	5.511
88.0	138.95	9717.05	5.543	5.543	5.543
88.5	139.74	9825.40	5.575	5.575	5.575
89.0	140.53	9934.35	5.607	5.607	5.607
89.5	141.32	10043.90	5.639	5.639	5.639
90.0	142.11	10154.05	5.671	5.671	5.671
90.5	142.90	10264.80	5.703	5.703	5.703
91.0	143.69	1037			

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