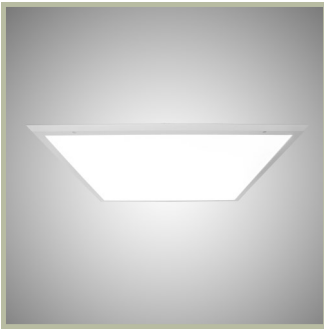


Surface Mount Panel G4



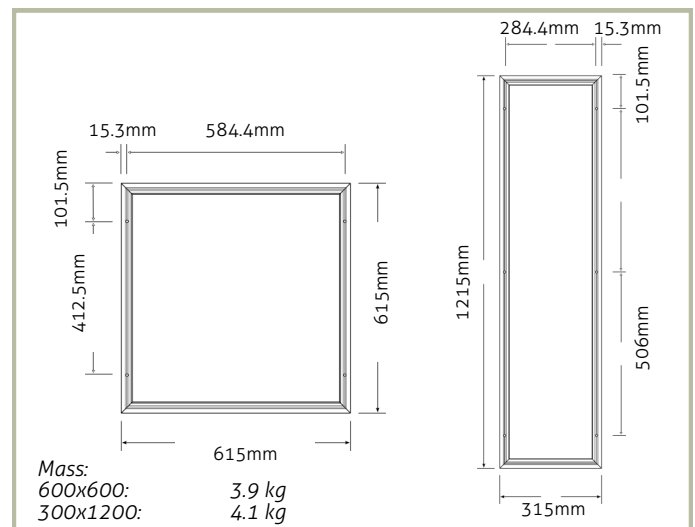
Ecopoint's Surface Mount Panel is an addition to the popular Edge-lit Panel family which avoids the need for additional accessories for mounting on plaster and other non-concrete surfaces (a cavity required for the remote driver). Available in 600x600 and 300x1200 sizes with a range of light outputs and CRI, all of them with low-glare ratings (UGR). These panels offer the look, efficacy, lifespan and colour consistency of the new generation Edge-lit panel, with the versatility of a screw-affixed luminaire.

Key applications: Offices, Retail, Schools, Commercial, Residential etc..

GENERAL SPECIFICATIONS:

Power Factor	PF > 0.94, THD(I) < 10%
Electrical Input	200-240 V AC / 47-63 Hz
Dimming Options	Triac, 1-10V, DALI & Casambi
Colour Temperatures	4000K (Std); 3000K & 6000K (Opt)
Colour Rendering Index	Ra > 80 / SOLUS Ra > 95, COI = 0.5 ± 0.1
Colour Consistency	3 SDCM
Operating Temperatures	- 10 to 40 deg. C
Construction	Aluminium frame, PMMA light guide plate & diffuser
Ingress Protection	IP20
Impact Protection	IK02
Warranty	5 years

DIMENSIONS:



STANDARD MODELS (UGR<19)

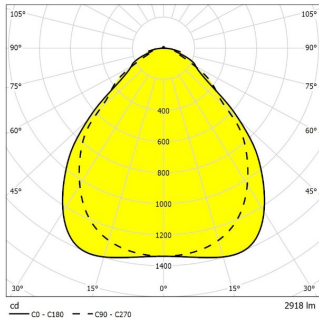
Product Code	Description	Size	Power	Flux*
ESP6X6W840G4	Surface Mount Panel 600x600 White 4000K 36W, UGR<19, CRI80	615 x 615 x 12	22-39W	2,920—5,070 lm
ESP12X3W840G4	Surface Mount Panel 1200x300 White 4000K 36W, UGR<19, CRI80	315 x 1215 x 12	22-39W	2,710—4,750 lm

SOLUS 'FULL-SPECTRUM' MODELS (UGR<19)

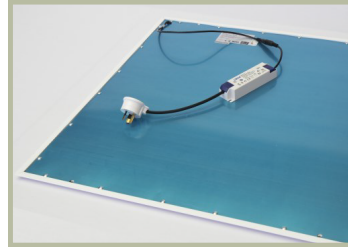
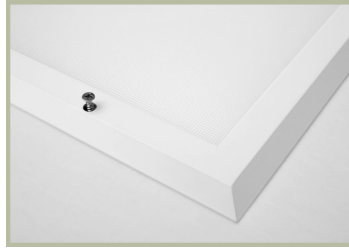
Product Code	Description	Size	Power	Flux*
ESP6X6WS40G4	Full-Spectrum Surface Mount Panel 600x600 White 4000K 36W, UGR<19, CRI>95, COI = 0.5 ± 0.1	615 x 615 x 12	22-39W	2,230—3,940 lm
ESP12X3WS40G4	Full-Spectrum Surface Mount Panel 1200x300 White 4000K 36W, UGR<19, CRI>95, COI = 0.5 ± 0.1	315 x 1215 x 12	22-39W	2,200—3,900 lm

Notes:

* All flux values shown here refer to 4000K specification.



600 x 600, 840, 30 W (750 mA)



PHOTOMETRIC & COLOUR PERFORMANCE SUMMARIES:

Standard R _a >80 4000K	Driver Model	Current Setting (mA)	Power (W)	Flux (lm)
Surface Mount Panel G4 600x600 840 550-750 mA	550-750 mA	550	22	2,900
		600	23	3,100
		650	25	3,350
		700	27	3,600
		750	30	3,900
	800-1000 mA	800	31	4,100
		850	33	4,300
		900	35	4,500
		950	37	4,750
		1000	39	5,100
Surface Mount Panel G4 1200x300 840 550-750 mA	550-750 mA	550	22	2,700
		600	23	3,000
		650	25	3,200
		700	27	3,500
		750	30	3,650
	800-1000 mA	800	31	3,800
		850	33	4,150
		900	35	4,400
		950	37	4,600
		1000	39	4,750

SOLUS R _a >97 4000K	Driver Model	Current Setting (mA)	Power (W)	Flux (lm)
Surface Mount Panel G4 600x600 S40 550-750 mA	550-750 mA	550	22	2,200
		600	23	2,400
		650	25	2,600
		700	27	2,800
		750	30	3,000
	800-1000 mA	800	31	3,200
		850	33	3,400
		900	35	3,520
		950	37	3,700
		1000	39	3,900
Surface Mount Panel G4 1200x300 S40 550-750 mA	550-750 mA	550	22	2,200
		600	23	2,400
		650	25	2,600
		700	27	2,800
		750	30	3,000
	800-1000 mA	800	31	3,150
		850	33	3,350
		900	35	3,550
		950	37	3,700
		1000	39	3,900

Standard 840	Metric/s	Typical Values
	Nominal CCT	4000K
	CIE 13.3- 1995	R _a 82 / R _g 10
	IES-TM30- 18	R _f 84 / R _g 97 / -12% < R _{cs} < 8%
	COI (AS/NZS 1680.2.5)	-
	Melanopic Ratio (IWBI)	0.668

SOLUS S40	Metric/s	Typical Values
	Nominal CCT	4000K
	CIE 13.3- 1995	R _a 98 / R _g 98
	IES-TM30- 18	R _f 95 / R _g 101 / -3% < R _{cs} < 8%
	COI (AS/NZS 1680.2.5)	0.3
	Melanopic Ratio (IWBI)	0.738

* Detailed colour performance specification sheets are available — request a copy if additional information is required.

LIGHT LOSS FACTOR GUIDE:

Variant	Service Life (hrs)	5,000	10,000	15,000	20,000	25,000	30,000	35,000	40,000	45,000	50,000	55,000	60,000	65,000	70,000	75,000	80,000
Standard 840	LLMF	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84
	Based on... LSF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
L80 > 100,000 hrs	LaMF _{combined}	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84
	SOLUS S40	LLMF	0.99	0.97	0.96	0.94	0.93	0.91	0.90	0.89	0.87	0.86	0.84	0.83	0.81	0.80	0.79
Based on... L80 @ 70,000 hrs	LSF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.99	0.97
	LaMF _{combined}	0.99	0.97	0.96	0.94	0.93	0.91	0.90	0.89	0.87	0.86	0.84	0.83	0.81	0.80	0.78	0.75

* Refer ISO/CIE TS 22012:2019 for details of derivation and application of these standardised reference tables. Nearest relevant flux maintenance specifications are presented here — request a customised TM-21 calculation for a more accurate, project-specific, projection of LLMF based on your nominated service life.