

Evos Surface Mount Panel G5 IP54— Direct screw-fix panel



Description:

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 is required for the remote driver). Available in 600x600 and 1200x300 sizes with a range of light outputs and colour specifications, 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.

Mounting:

Surface-mounting

Standard Inclusions:

Luminaire, driver with pre-wired flex and plug, mounting screws

Options/Accessories:

Dimmable drivers, ceiling gasket kit (for positive/negative pressure rooms).

GENERAL LUMINAIRE SPECIFICATIONS:

Flux Maintenance	L90 @ 54,000 hrs, L80 > 100,000 hrs (25° C)
Colour Specifications	CRI 90 / SOLUS 4000K / Others possible
Colour Consistency	3 SDCM
Construction	Extruded alum. frame, PMMA micro-prism optics, gasket
Luminaire Colour Options	Matte White
Operating Conditions	-10° to 40° C
Ingress Protection	IP54 (room-side)
Impact Protection	IK06

DRIVER SPECIFICATIONS*:

Standard Driver Type	Non-dim, DIP-switch power select
Electrical Supply	200-240VAC / 50 - 60 Hz
Power Specifications	PF > 0.98, THD(I)<8%
Flicker (TLM/TLA)	<0.141% mod. @ 100Hz / PstLM 0.000 / SVM 0.002
Electrical Protection	OCP, SCP, NLP, 2 KV Surge (L-N)
Environmental Protection	IP20
Rated Life	100,000 hours (case temp < 65° C)
Dimming Options	Triac, DALI, Casambi (specifications may vary)

STANDARD MODELS

Type	Dimensions	CCT	Colour Rendering	Optic	Power	Flux*	Flux Maintenance**
Evos Surface Mount Panel G5 600x600 9040	615 x 615 x 12 mm 3.1 kg	4000K	R _a ≥ 94, R ₉ ≥ 78 R _r ≥ 91, R _g ≥ 100	Micro-prismatic, UGR<19***	13 - 40 W	1,550 — 4,780 lm	L90 @ 54,000 hrs L80 > 100,000 hrs
Evos Surface Mount Panel G5 1200x300 9040	1215 x 315 x 12 mm 3.2 kg	4000K	R _a ≥ 94, R ₉ ≥ 78 R _r ≥ 91, R _g ≥ 100	Micro-prismatic, UGR<19***	13 - 40 W	1,540 — 4,730 lm	L90 @ 54,000 hrs L80 > 100,000 hrs

Notes:

* Multiple flux/power combinations possible via DIP-switch selection on driver. Consult reference table overleaf for full set of standard combinations.

** Flux maintenance per TM-21, t₅₀ 25° C (10,000 hrs LM-80 data; predictions >60,000 hrs are outside of TM-21 reporting guidelines and indicative only). Data reflects B50 'median useful life'.



SOLUS 'FULL SPECTRUM' MODELS

Type	Dimensions	CCT	Colour Rendering	Optic	Power	Flux*	Flux Maintenance**
Evos Surface Mount Panel G5 600x600 S40	615 x 615 x 12 mm 3.1 kg	4000K	R _a ≥ 97, R ₉ ≥ 95 R _r ≥ 95, R _g ≥ 100	Micro-prismatic, UGR<19***	13 - 40 W	1,300— 4,100 lm	L90 @ 30,000 hrs L80 > 70,000 hrs
Evos Surface Mount Panel G5 1200x300 S40	1215 x 315 x 12 mm 3.2 kg	4000K	R _a ≥ 97, R ₉ ≥ 95 R _r ≥ 95, R _g ≥ 100	Micro-prismatic, UGR<19***	13 - 40 W	1,300— 3,900 lm	L90 @ 30,000 hrs L80 > 70,000 hrs

Notes:

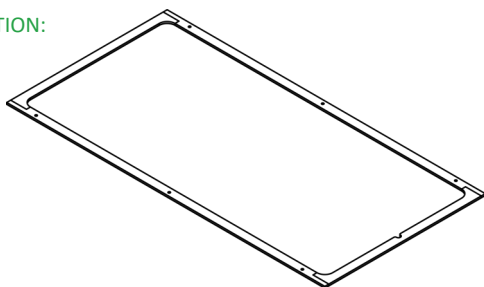
* Multiple flux/power combinations possible via DIP-switch selection on driver. Consult reference table overleaf for full set of standard combinations.

** Flux maintenance per TM-21, t₅₀ 25° C (6,000 hrs LM-80 data; predictions >36,000 hrs are outside of TM-21 reporting guidelines and indicative only). Data reflects B50 'median useful life'.

*** UGR values

determined by the tabular method for 4H x 8H room with 70%/50%/20% reflectances. Request IES files for an

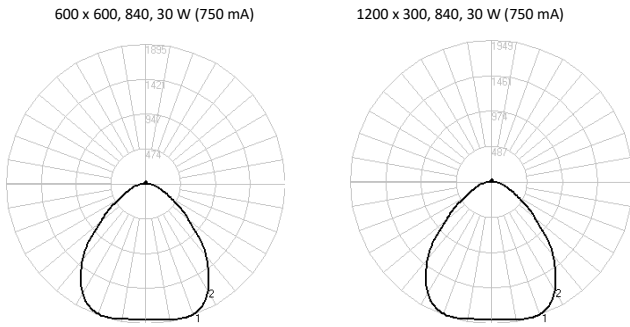
ACCESSORY OPTION:



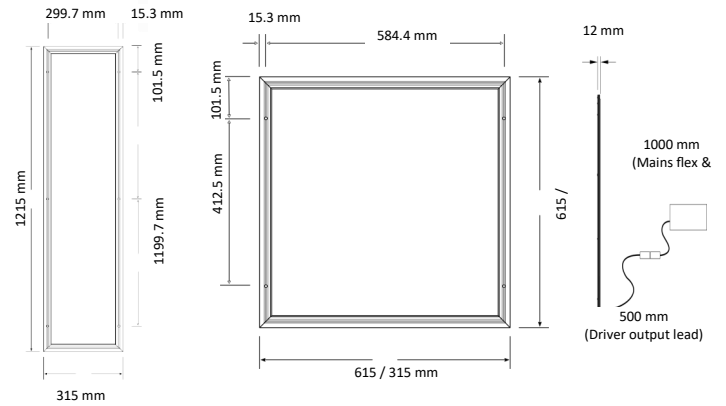
Mounting gasket kit, White 6 mm EPDM CNC-cut interlocking four-piece kit, with single-sided 3M adhesive. For applications where an air-tight seal between the luminaire and the ceiling is desirable.

Also available in 6 mm Natural EVA on request.

DISTRIBUTION:



DIMENSIONS:



PHOTOMETRIC & COLOUR PERFORMANCE SUMMARIES:

Standard $R_a > 90$ 4000K	Current Setting (mA)	Power	Flux
Edge-Lit Panel G5 600x600 9040	300	13	1,550
	400	18	2,150
	500	20	2,405
	600	24	2,860
	700	28	3,340
	800	32	3,820
	900	36	4,270
	1050	40	4,780
Edge-Lit Panel G5 1200x300 9040	300	13	1,540
	400	18	2,130
	500	21	2,480
	600	24	2,840
	700	28	3,320
	800	32	3,790
	900	37	4,400
	1050	40	4,730

Intermediary IES have been interpolated

Standard 9040	Metric/s	Typical Values
	Nominal CCT	4000K
	CIE 13.3-1995	R_a 94 / R_g 78
	IES-TM30-18	R_f 91 / R_g 100 / $-4\% < R_{cs} < 6\%$
	COI (AS/NZS 1680.2.5)	2.0
	Melanopic Ratio (IWBI)	0.737

* 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 9040	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
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
	Based on...	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
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	0.77
	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	0.99	0.97
L80 @ 70,000 hrs	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.