

Edgelit Panel G5 Full Spectrum IP65



Description:

Ecopoint's fifth generation Edge-Lit Panel introduces a wider frame to eliminate chip hot-spots and deliver a highly capable and flexible product family which meets a wide range of end-user requirements.

With an improved colour rendering that allows lighting designers to leverage its strong performance and high maintenance factors, this upgrade will also impress asset managers with reduced energy costs plus low maintenance requirements.

Mounting:

Recessed (suspended-grid ceilings) as standard. Plaster recess, surface-mounting and suspension kits available as accessories

Standard Inclusions:

Luminaire, driver with pre-wired flex and plug, 2 x restraint cables (suitable for NZS 4219 purposes)

Options/Accessories:

Plaster recess kit, Surface-mount kit, Suspension kit, Dimmable drivers

GENERAL LUMINAIRE SPECIFICATIONS:

Flux Maintenance	L90 @ 54,000 hrs, L80 > 100,000 hrs (25° C)
Colour Specifications	CRI 90, 40000K / SOLUS 4000K / Others possible
Colour Consistency	3 SDCM
Construction	Extruded alum. frame, PMMA micro-prism optics
Luminaire Colour Options	Matte White
Operating Conditions	-10° to 40° C
Protection Rating/s	Std IK06, IP5x (room-side) + IP20 (cavity-side); IP65 optional
Insulation Rating	IC-4 (driver above insulation)

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 / P _{st} LM 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)

* Driver specifications for 1200X150mm panel vary. Please request current information.

STANDARD MODELS

Type	Dimensions	CCT	Colour Rendering	Optic	Power	Flux*	Flux Maintenance**
Edge-Lit Panel G5 600x600 9040	595 x 595 x 11 mm 3.1 kg	4000K	R _a ≥ 94, R ₉ ≥ 78 R _f ≥ 91, R _g ≥ 100	Micro-prismatic	13 — 40 W	1,550 — 4,780 lm	L90 @ 54,000 hrs L80 > 100,000 hrs
Edge-Lit Panel G5 1200x300 9040	1195 x 295 x 11 mm 3.2 kg	4000K	R _a ≥ 94, R ₉ ≥ 78 R _f ≥ 91, R _g ≥ 100	Micro-prismatic	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, t₅ 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**
Edge-Lit Panel G5 600x600 S40	595 x 595 x 11 mm 3.1 kg	4000K	R _a ≥ 97, R ₉ ≥ 95 R _f ≥ 95, R _g ≥ 100	Micro-prismatic, UGR<19***	21— 39 W	2,100— 3,940 lm	L90 @ 30,000 hrs L80 > 70,000 hrs
Edge-Lit Panel G5 1200x300 S40	1195 x 295 x 11 mm 3.2 kg	4000K	R _a ≥ 97, R ₉ ≥ 95 R _f ≥ 95, R _g ≥ 100	Micro-prismatic, UGR<19***	21— 39 W	2,050— 3,800 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.

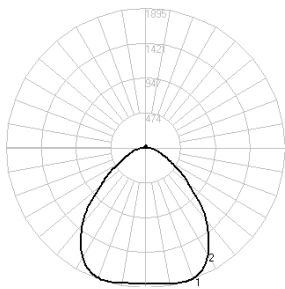
** Flux maintenance per TM-21, t₅ 25° C (6,000 hrs LM-80 data; predictions >36,000 hrs are outside of TM-21 reporting guidelines and indicative only). Data reflects B50 'median useful life'.

*** UGR values determined by the tabular method for 4H x 8H room with 70%/50%/20% reflectances. Request IES files for an accurate glare evaluation.

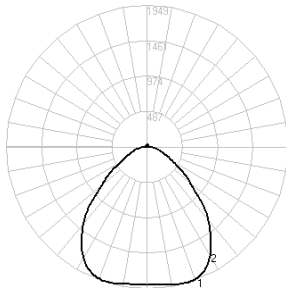
Tabular glare rating; 4Hx8H; 70/50/20	cross	end
Edge-lit panel G5 600x600mm @40W	17.8	17.1
Edge-lit panel G5 1200x300mm @40W	17.8	17.1

DISTRIBUTION:

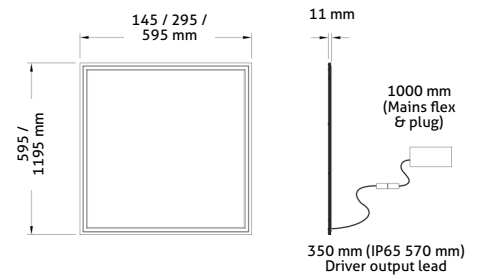
600 x 600, 9040, 36 W (900 mA)



1200 x 300, 9040, 37 W (900 mA)



DIMENSIONS:



PHOTOMETRIC & COLOUR PERFORMANCE SUMMARIES:

Standard $R_a > 90$ 4000K	Current Setting (mA)	Power (W)	Flux (lm)
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
	1050	40	4,780
Edge-Lit Panel G5 1200x300 840	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
	1050	40	4,730

SOLUS $R_a > 97$ 4000K	Current Setting (mA)	Power (W)	Flux (lm)
Edge-Lit Panel G5 600x600 S40	300	13	1,300
	400	18	1,800
	500	21	2,100
	600	23	2,400
	700	27	2,800
	800	31	3,200
	900	35	3,600
	1050	40	4,100
	1050	40	4,100
Edge-Lit Panel G5 1200x300 S40	300	13	1,300
	400	18	1,800
	500	21	2,050
	600	23	2,340
	700	27	2,730
	800	31	3,100
	900	35	3,500
	1050	40	3,900
	1050	40	3,900

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

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 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	0.84
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	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	0.75

* 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.