Edge-Lit Panel G4 IP65 — Recessed luminaire

ECOPOINT LED LIGHTING

5 YR WARRANTY | IP20 IP65 | IK06 | IC-4 | 3 SDCM | UGR <19 | FLICKER FREE | SELECTABLE POWER | CASAMBI OPTIONS | DIMMABLE OPTIONS

Description:

Ecopoint's fourth generation Edge-Lit Panel adopts the latest LED and driver developments to deliver a highly capable and flexible product family which meets a wide range of end-user requirements. Minimising total-cost-of-ownership was the key development focus; maximising luminaire efficacy, extending component lifetimes, and simplifying both installation and maintenance. Lighting designers can leverage the strong performance and high maintenance factors, while asset managers will appreciate the reduced energy costs, low maintenance demand, and simple logistics.

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 @ 50,000 hrs, L80 @ 100,000 hrs (25° C)
Colour Specifications	840 / SOLUS 4000K / Others possible on request
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	IP65 (room-side) + IP20 (cavity-side), IK06
Insulation Rating	IC-4 (driver above insulation)

DRIVER SPECIFICATIONS:

Standard Driver Type	Non-dim, DIP-switch power select (two variants)
Electrical Supply	200-240 V AC / 47-63 Hz
Power Specifications	PF > 0.94, THD(I)<10%
Flicker (TLM/TLA)	<0.2% mod. @ 100Hz / P_{st}LM 0.015 / SVM 0.005
Electrical Protection	OCP, SCP, 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)

SOLUS 'FULL SPECTRUM' IP65 MODELS

Type	Dimensions	CCT	Colour Rendering	Optic	Power	Flux*	Flux Maintenance**
Edge-Lit Panel G4 600x600 S40	595 x 595 x 38.5 mm 3.85 kg	4000K	$R_a \geq 97$, $R_9 \geq 95$ $R_f \geq 95$, $R_g \geq 100$	Micro-prismatic, UGR<19***	22— 39 W	2,230— 3,940 lm	L90 @ 30,000 hrs L80 @ 70,000 hrs
Edge-Lit Panel G4 1200x300 S40	1195 x 295 x 38.5 mm 4.1 kg	4000K	$R_a \geq 97$, $R_9 \geq 95$ $R_f \geq 95$, $R_g \geq 100$	Micro-prismatic, UGR<19***	22— 39 W	2,200— 3,900 lm	L90 @ 30,000 hrs L80 @ 70,000 hrs

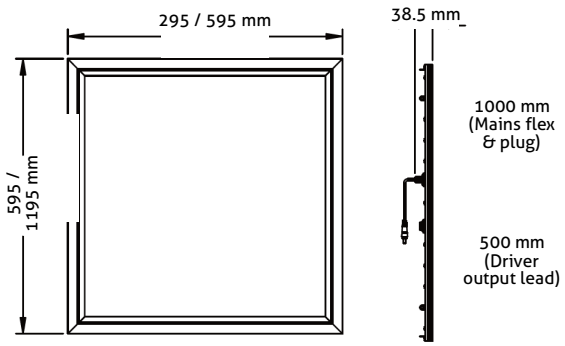
Notes:

* 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, t_a 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'.

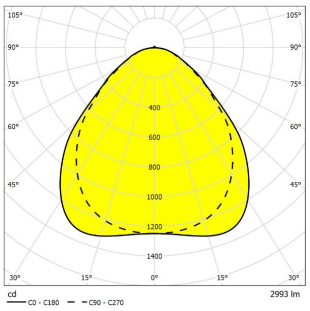
*** UGR values determined by the tabular method for 4H x 8H room with 70%/50%/20% reflectances. Request IES files for an accurate glare evaluation.

DIMENSIONS:

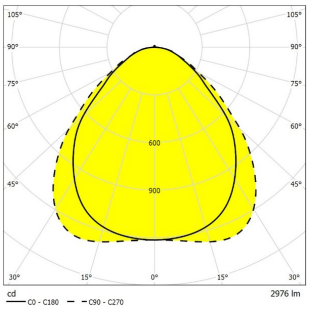


DISTRIBUTION:

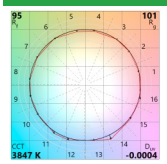
600 x 600, S40, 30 W (750 mA)



1200 x 300, S40, 30 W (750 mA)



SOLUS R_a>97 4000K	Driver Model	Current Setting (mA)	Power (W)	Flux (lm)
Edge-Lit Panel G4 600x600 S40	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
Edge-Lit Panel G4 1200x300 S40	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

SOLUS S40	Metric/s	Typical Values
	**Nominal CCT**	4000K
	CIE 13.3-1995	R_a 98 / R_9 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	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	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.

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