

Breva - Back-Lit Panel



Description:

This third-generation development delivers key performance upgrades to Ecopoint's proven family of Back-Lit Panel luminaires. Adopting higher colour-rendering specifications as standard and a boost in efficacy, the upgrades focus on improving long-term value from this reliable product range. The polycarbonate diffuser offers stable colour across a long lifespan, while the electronics and thermal design also support long service life while maintaining high levels of efficacy across that period. Selectable power settings with a wider range, extend the flexibility of this workhorse luminaire.

Mounting:

Recessed (suspended-grid ceilings) as standard.

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, PIR option

GENERAL LUMINAIRE SPECIFICATIONS:

Flux Maintenance	L90 @ 54,000 hrs (25° C)
Colour Specifications	CRI>90, + CRI>95, 4000K
Colour Consistency	2 SDCM
Construction	Aluminium frame, Steel body, Polycarbonate diffuser, PMMA lenses
Luminaire Colour Options	White
Operating Conditions	-25° to 40° C
Protection Rating/s	IK03; IP20 / IP65 versions, both room-side
Insulation Rating	IC-4 (driver above insulation for PIR option)

DRIVER SPECIFICATIONS:

Standard Driver Type	DIP-switch power select, replaceable
Electrical Supply	200-240 V AC / 50-60 Hz
Power Specifications	PF > 0.95, THD(I)<10% (ratings at 100% load)
Flicker (TLM/TLA)	<1% mod. @ 100Hz / SVM ≤ 0.4 / P _{st} ^{LM} ≤ 1
Electrical Protection	SCP, OTP, OVP, OCP
Environmental Protection	IP20
Rated Life	100,000 hrs
Dimming Options	DALI, 1-10V, Casambi, Integrated sensor (specifications may vary)

PLUS MODELS

Type	Dimensions	CCT	Colour Rendering	Optic	Power	Flux*	Flux Maintenance**
Breva Plus 600x300 9040	595 x 295 x 35 mm	4000K	R _a ≥ 90, R ₉ ≥ 77	Micro-prismatic, UGR<19	13 — 22 W	1,510 to 2,405 lm	L90 @ 54,000 hrs L80 > 100,000 hrs
Breva Plus 600x600 9040	595 x 595 x 35 mm 1.85 kg	4000K	R _a ≥ 90, R ₉ ≥ 77	Micro-prismatic, UGR<19	13 — 40 W	1,650 to 5,170 lm	L90 @ 54,000 hrs L80 > 100,000 hrs
Breva Plus 1200x300 9040	1195 x 295 x 35 mm	4000K	R _a ≥ 90, R ₉ ≥ 77	Micro-prismatic, UGR<19	13 — 40 W	1,580 to 4,950 lm	L90 @ 54,000 hrs L80 > 100,000 hrs
Breva Plus 1200x600 9040	1195 x 595 x 35 mm	4000K	R _a ≥ 90, R ₉ ≥ 77	Micro-prismatic, UGR<19	13 — 40 W	1,650 to 5,510 lm	L90 @ 54,000 hrs L80 > 100,000 hrs



'FULL SPECTRUM' PRO MODELS

Type	Dimensions	CCT	Colour Rendering	Optic	Power	Flux*	Flux Maintenance**
Breva Pro 600x300 S40	595 x 295 x 35 mm	4000K	R _a ≥ 95, R ₉ ≥ 94	Micro-prismatic, UGR<19	13 — 22 W	1,250 to 1,960 lm	L90 @ 54,000 hrs L80 > 100,000 hrs
Breva Pro 600x600 S40	595 x 595 x 35 mm 1.85 kg	4000K	R _a ≥ 95, R ₉ ≥ 94	Micro-prismatic, UGR<19	13 — 40 W	1,250 to 3,860 lm	L90 @ 54,000 hrs L80 > 100,000 hrs
Breva Pro 1200x300 S40	1195 x 295 x 35 mm	4000K	R _a ≥ 95, R ₉ ≥ 94	Micro-prismatic, UGR<19	13 — 40 W	1,210 to 3,810 lm	L90 @ 54,000 hrs L80 > 100,000 hrs
Breva Pro 1200x600 S40	1195 x 595 x 35 mm	4000K	R _a ≥ 95, R ₉ ≥ 94	Micro-prismatic, UGR<19	13 — 40 W	1,280 to 4,240 lm	L90 @ 54,000 hrs L80 > 100,000 hrs

Notes:

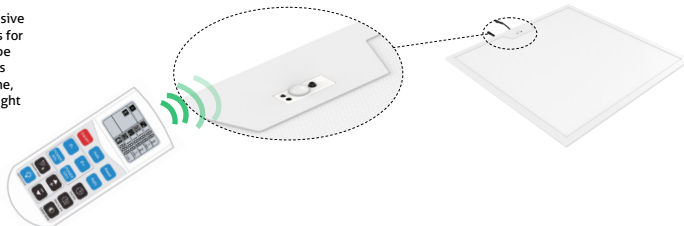
* Multiple flux/power combinations possible via DIP-switch selection on driver. Consult reference table overleaf for full set of standard combinations.

** Flux maintenance per TM-21, t₈₀ 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'.

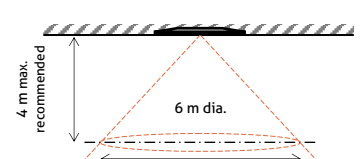
OPTIONAL PIR SENSOR VARIANT:

PIR Sensor option

A remote control programmed Passive Infrared Sensor option. This allows for individual, or groups of panels to be controlled with parameters such as occupancy sensitivity and hold time, stand-by time and level, plus daylight sensing.

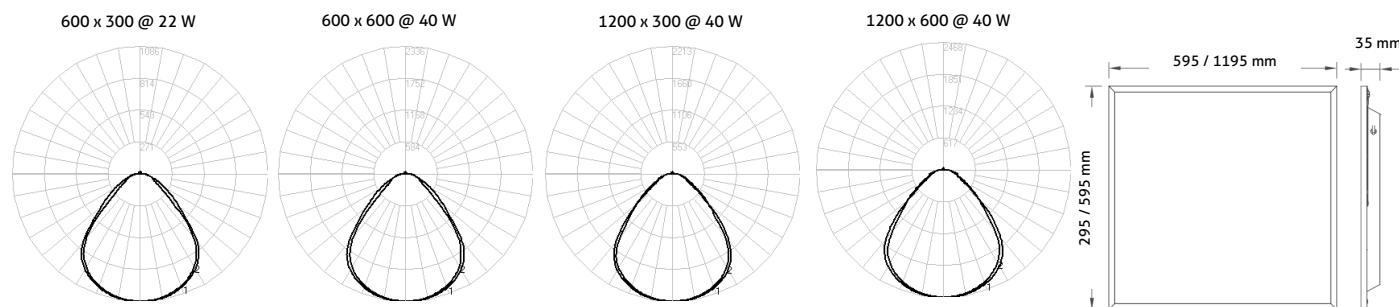


Detection coverage:



DISTRIBUTION:

DIMENSIONS:



PHOTOMETRIC & COLOUR PERFORMANCE SUMMARIES:

Breva Plus 9040	Current Setting (mA)	Power (W)	Flux (lm)
600 x 300	300	13	1,510
	400	18	1,960
	500	22	2,400
600 x 600	300	13	1,650
	500	22	2,670
	700	31	3,880
	900	38	4,950
	1050	40	5,170
1200 x 300	300	13	1,580
	500	22	2,550
	700	31	3,690
	900	38	4,710
	1050	40	4,950
1200 x 600	300	13	1,650
	500	22	2,820
	700	31	4,090
	900	38	5,220
	1050	40	5,510

Breva Pro S40	Current Setting (mA)	Power (W)	Flux (lm)
600 x 300	300	13	1,250
	400	18	1,616
	500	22	1,960
600 x 600	300	13	1,260
	500	22	2,006
	700	31	2,909
	900	38	3,711
	1050	40	3,940
1200 x 300	300	13	1,210
	500	22	1,915
	700	31	2,777
	900	38	3,544
	1050	40	3,810
1200 x 600	300	13	1,280
	500	22	2,169
	700	31	3,145
	900	38	4,012
	1050	40	4,240

Breva Plus 9040	Metric/s	Typical Values
	Nominal CCT	4000K
	CIE 13.3-1995	R _a 93 / R ₉ 71
	IES-TM30-18	R _f 91 / R _g 101 / -4% < R _{cs} < 6%
	COI (AS/NZS 1680.2.5)	2.2
	Melanopic Ratio (IWB1)	0.74

Breva Pro S40	Metric/s	Typical Values
	Nominal CCT	4000K
	CIE 13.3-1995	R _a 97 / R ₉ 88
	IES-TM30-18	R _f 96 / R _g 102 / -2% < R _{cs} < 3%
	COI (AS/NZS 1680.2.5)	1.2
	Melanopic Ratio (IWB1)	0.77

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

Tabular glare rating: 4Hx8H; 70/50/20	cross	end
Breva 600x300mm @22W	18.7	19.0
Breva 600x600mm @40W	18.6	19.0
Breva 1200x300mm @40W	18.6	19.4
Breva 1200x600mm @40W	16.1	17.0

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

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	0.92	0.91	0.9	0.89	0.88	0.87	0.86	0.85
	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
Based on...																	
L80 > 100,000 hrs	LaMF _{combined}	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.9	0.89	0.88	0.87	0.86	0.85

* 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.