

# Micro-Louvre Panel G2



The Micro-louvre G2 is an updated luminaire for those situations where a more discrete ceiling presence is desired. By providing a specific lens and reflector/ louvre cell for each LED package, the light distribution is tightly controlled while maintaining good levels of efficiency. It retains a shallow profile in the ceiling, and there are options for surface-mounting and plaster-recess (with optional frames) in both 600x600 and 300x1200 sizes.

The G2 has an enhanced modularity with easily replaceable led array modules.

## Mounting:

Recess-mounted as standard.

## Standard Inclusions:

Switchable non-dim driver

## Options / Accessories :

Surface mount kit, Plaster recess kit, Suspension kit

## GENERAL LUMINAIRE SPECIFICATIONS:

Flux Maintenance	L90 @ 53,000 hrs (25° C)
Colour Specifications	CRI 90 4000K, other options available
Colour Consistency	3 SDCM
Construction	Sheet metal with plastic reflectors
Luminaire Colour Options	White
Operating Conditions	-25° to 45° C
Protection Rating/s	IP20, IK06
Cable Entry	Rear of panel to remote driver with quick connect

## DRIVER SPECIFICATIONS:

Standard Driver Type	Non dim with wattage selectable dip-switch
Electrical Supply	220-240 V / 50-60 Hz
Power Specifications	PF ≥ 0.90, <20% THDi
Flicker (TLM/TLA)	<1% mod@50Hz; PstLM<1 / SVM <0.4
Electrical Protection	SCP, OCP, OVP, OTP
Environmental Protection	IP20
Rated Life	50,000 hours @ 25° C
Dimming Options	Triac, 1-10V, Dali & Casambi

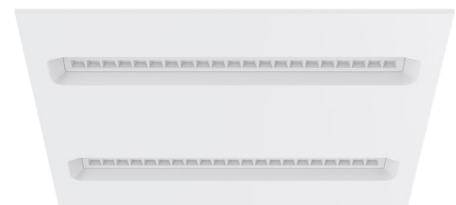
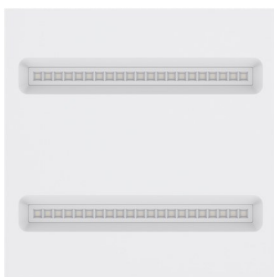
## STANDARD MODELS

Type	Dimensions	CCT	Colour Rendering	Optic	Power	Flux*	Flux Maintenance**
Micro-louvre G2 9040 600x300	595 x 295 x 15 mm	4000K	CRI90	90°	6W - 15W	540 - 1,350 lm	tbc
Micro-louvre G2 9040 600x600	595 x 595 x 31 mm 2.63 kg	4000K	CRI90	90°	18W - 36W	1,970 - 3,660 lm	L80 >102,000 hrs
Micro-louvre G2 9040 300x1200	295 x 1195 x 25 mm 2.61 kg	4000K	CRI90	80°	18W - 36W	2,010 - 3,715 lm	L80 >102,000 hrs

## Notes

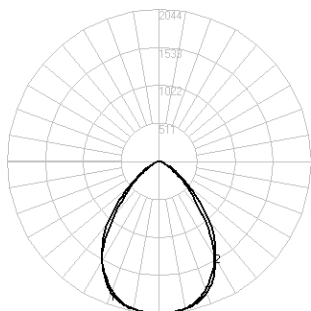
\* Multiple flux/power combinations possible via DIP-switch selection on driver. Flux varies between optics. Consult reference table overleaf for full set of standard combinations.

\*\* Flux maintenance per TM-21, t<sub>80</sub> 25° C (17,000 hrs LM-80 data; predictions >102,000 hrs are outside of TM-21 reporting guidelines and indicative only). Data reflects B50 'median useful life'.

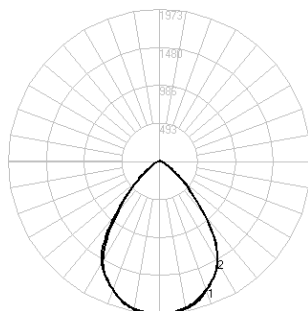


## DISTRIBUTION:

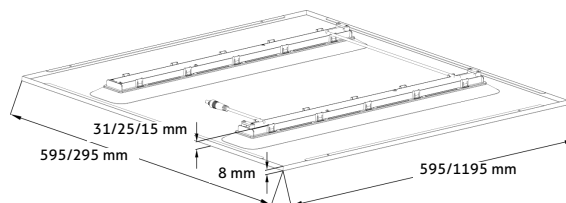
Micro-louvre G2 600x600 @ 30 W



Micro-louvre G2 1200x300 @ 30 W



## DIMENSIONS:



## PHOTOMETRIC & COLOUR PERFORMANCE SUMMARIES:

Micro-louvre G2	Current Setting (mA)	Power (W)	Flux (lm)
600x300mm*	150	6	540
	200	8	720
	250	10	900
	300	13	1170
	360	15	1350
600x600mm	450	18	1,976
	500	20	2,192
	625	25	2,667
	750	30	3,173
	900	36	3,659
300x1200mm	450	18	2,009
	500	20	2,224
	625	25	2,707
	750	30	3,220
	900	36	3,714

\*Photometric performance for 600x300mm variant estimated

Tabular glare rating; 4Hx8H; 70/50/20	cross	end
Micro-louvre G2 600x600mm	12.2	13.1
Micro-louvre G2 300x1200mm	12.7	12.5

UGR Values determined by tabular method for 4H x 8H room with 70%/50%/20%reflectances. For an accurate design-specific assessment of glare, please request IES files for your lighting software or reach out to us to help you with a simulation.

Standard 9040	Metric/s	Typical Values*
	Nominal CCT	4000K
	CIE 13.3-1995	R <sub>a</sub> 93 / R <sub>g</sub> 66
	IES-TM30-18	R <sub>f</sub> 91 / R <sub>g</sub> 100 / -5% < R <sub>cs</sub> < 5%
	COI (AS/NZS 1680.2.5)	-
	Melanopic Ratio (IWBI)	-

Flux values relate to 4000K versions.

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

## LIGHT LOSS FACTOR GUIDE (TBC):

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
600x600	LLMF	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.90	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...																	
L90 @ 53,000 hrs (25° C)	LaMF <sub>Combined</sub>	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.92	0.91	0.90	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.