

OptaCube G2– Wall-mount up/down luminaire



Description:

Few forms could offer more simplicity than the cube, and the OptaCube G2 luminaire combines that classic appearance with highly customisable lighting effects. Adjustable reflector plates in both the up and down directions mean that distributions from a narrow 15° right through to a wide 120° can be configured (and re-configured whenever desired). Robust aluminium construction and an IP54 rating mean that OptaCube G2 can be deployed in a wide range of applications.

Mounting:

Wall-mount, interior or exterior environments.

Standard Inclusions:

Luminaire, surface-mounting hardware, TRIAC Dimmable driver

Options / Accessories :

GENERAL LUMINAIRE SPECIFICATIONS:

Flux Maintenance	L90 @ 33,000 hrs (25° C)
Colour Specifications	Ra90 3000K , other options available
Colour Consistency	>6 SDCM
Construction	Cast aluminium body, Polycarbonate lens/cover
Luminaire Colour Options	Black
Operating Conditions	-20° to 45° C
Protection Rating/s	IP54
Cable Entry	Pre-wired with free end, loose

DRIVER SPECIFICATIONS:

Standard Driver Type	Triac Dimable
Electrical Supply	200-240V AC / 50 Hz
Power Specifications	PF > 0.9
Flicker (TLM/TLA)	<5% mod. @ 100Hz
Electrical Protection	SCP, OVP, OTP
Environmental Protection	-
Rated Life	>50,000 hours
Dimming Options	-

STANDARD MODELS

Type	Dimensions	CCT	Colour Rendering	Optic	Power	Flux	Flux Maintenance*
OptaCube G2 8W	Ø165 x 130 x 123mm	2700K 3000K 4000K 5000K	COB CRI90	15° - 120° adjustable	2 x 4W	Up to 560 lm	L90 @ 33,000 hrs L80 @ 69,000 hrs
OptaCube G2 15W	Ø165 x 130 x 123mm	2700K 3000K 4000K	COB CRI90	15° - 120° adjustable	2 x 7.5W	Up to 950 lm	L90 @ 33,000 hrs L80 @ 69,000 hrs

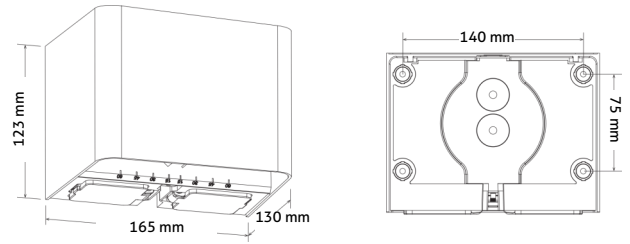
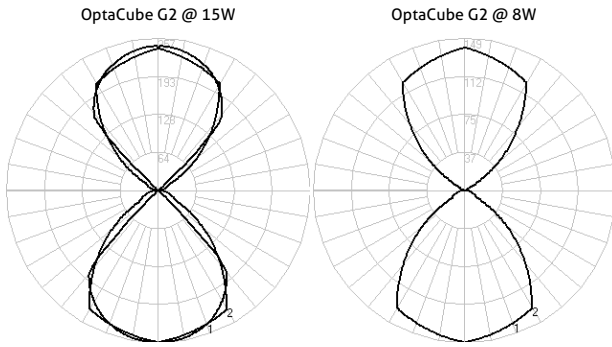
Notes:

* Flux maintenance per TM-21, t_a 25° C (7,000 hrs LM-80 data; predictions >42,000 hrs are outside of TM-21 reporting guidelines and indicative only). Data reflects B50 'median useful life'.



DISTRIBUTION:

DIMENSIONS:

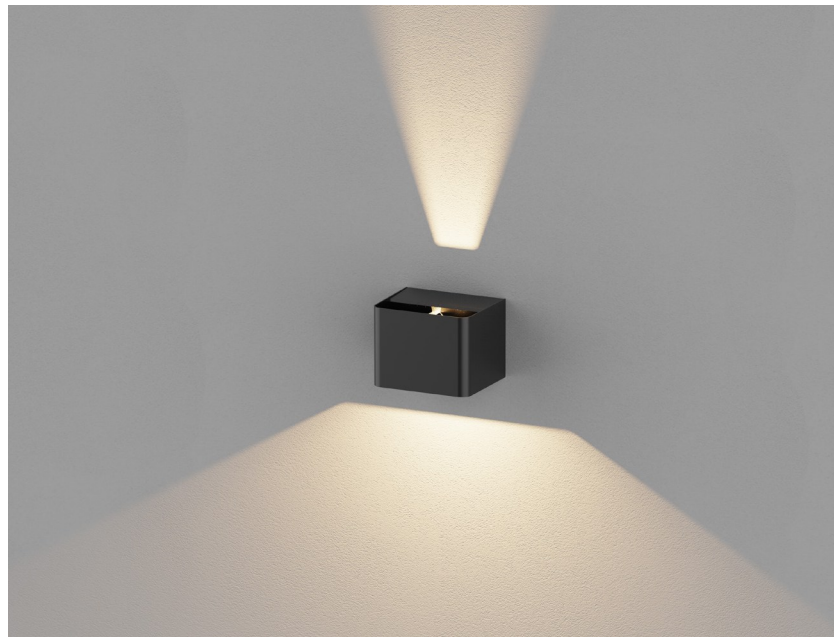


PHOTOMETRIC & COLOUR PERFORMANCE SUMMARIES:

OptaCube G2	Power (W)	Flux (lm)
8W	8	560
15W	15	950

Standard 9040	Metric/s	Typical Values*
	Nominal CCT	3000K
	CIE 13.3-1995	R _a 92 / R _g 60
	IES-TM30-18	R _f 92 / R _g 100 / -5% < R _{cs} < 4%
	COI (AS/NZS 1680.2.5)	-
	Melanopic Ratio (IWBI)	-

* To be confirmed - typical Ra90 values



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
OptaCube G2 15W	LLMF	0.98	0.97	0.95	0.94	0.92	0.91	0.89	0.88	0.86	0.85	0.84	0.82	0.81	0.8	0.78	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	1.00	1.00
L80 > 42,000 hrs	LaMF _{Combined}	0.98	0.97	0.95	0.94	0.92	0.91	0.89	0.88	0.86	0.85	0.84	0.82	0.81	0.8	0.78	0.77

* 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.