



Marcus Dark Sky Bollards –illuminating outdoor spaces without causing an interstellar disturbance!

These innovative outdoor LED lighting bollards are not just lights; they're superheroes against light pollution. Marcus Dark Sky Bollards are on a mission to keep the stars visible and the neighbours happy. Their sleek, modern design blends seamlessly with any outdoor decor, while their full 360-degree downward glow ensures your pathway remains well-lit without lighting up the entire cosmos. Bring eco-friendly elegance to your garden or driveway with Marcus Dark Sky Bollards because why brighten the galaxy when your yard will do?



## GENERAL OVERVIEW

CODE	HOUSING	LENS	WEIGHT (G)	WEIGHT (N)	LENGTH (A)	WIDTH (B)	DEPTH (D)
MARCUS1001	Die-cast Aluminium	Polycarbonate	3.0	2.5	250	180	180
MARCUS2001	Die-cast Aluminium	Polycarbonate	3.0	2.5	600	180	180
MARCUS3001	Die-cast Aluminium	Polycarbonate	3.0	2.5	1000	180	180

## PRODUCT SPECIFICATION

CODE	WATTAGE	LUMENS	EFFICIENCY	CCT	BEAM ANGLE	IP	IK
MARCUS1001	24	1124	47	3k : 4k	360	65	10
MARCUS2001	24	1124	47	3k : 4k	360	65	10
MARCUS3001	24	1124	47	3k : 4k	360	65	10

## ELECTRICAL SPECIFICATION

CODE	CHIP SET	DRIVER	PFC	COLOUR	VOLTAGE	CLASS	TEMPERATURE
MARCUS1001	Samsung	Tridonic	0.95	Black	200-240	I	-30° to + 45°
MARCUS2001	Samsung	Tridonic	0.95	Black	200-240	I	-30° to + 45°
MARCUS3001	Samsung	Tridonic	0.95	Black	200-240	I	-30° to + 45°

## ACCREDITATIONS & CERTIFICATION

CODE	COUNTRY OF DESIGN	INTENDED MARKETS	APPROVALS	WARRANTY
MARCUS1001	United Kingdom	UK : Europe : UAE	CE : BS EN 60598 - 2 - 1	5 Year
MARCUS2001	United Kingdom	UK : Europe : UAE	CE : BS EN 60598 - 2 - 1	5 Year
MARCUS3001	United Kingdom	UK : Europe : UAE	CE : BS EN 60598 - 2 - 1	5 Year