

DATASHEET

PLANET LED PUCK

RGBW STANDARD

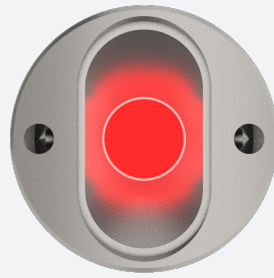
Let free your imagination with LED Puck RGBW. Infuse vibrant, emotive colour into any lighting project simply and efficiently. RGBW has a plug and play design and patented collapsible shell module making installation quicker and easier than ever. And with thermal control built-in, installation is possible in a range of material types including metal, wood, plaster and masonry.



PLANET
LIGHTING

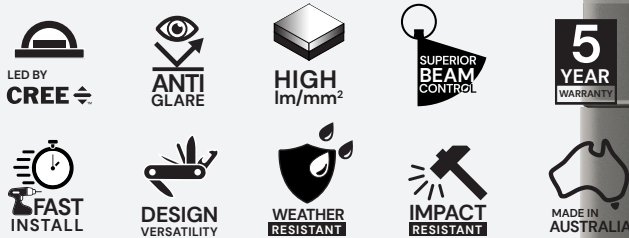
LED RGBW ST

5 years warranty is just the beginning. We design and manufacture in our purpose built Australian facility. RGBW has a 316 stainless steel, vandal resistant body and is impact rated to IK10. Plus, each RGBW mini puck is individually tested burned in to ensure the light you receive performs as it should.



TYPICAL SPECIFICATIONS

Product Code	Specifications
SOLO-CF-ST-RGBW-30	SOLO, Curved Face, Standard Beam, 3000K
SOLO-FF-ST-RGBW-40	SOLO, Flat Face, Standard Beam, 4000K



SPECIFICATIONS*

TECHNICAL

1.4W / 500mA (WHITE CHIP) / 2.8Vf
4000K - 180lm
CRI 80+ (CRI 90+ OPTION)
3 STEP MACADAM ELLIPSE
L90 B10 >100,000h

OPTICS

POLYCARBONATE (STANDARD)
BOROSILICATE (OPTION)

DISTRIBUTION

ELLIPTICAL SYMMETRIC

MATERIAL

316 STAINLESS STEEL
ELECTROPOLISHED

AMBIENT OPERATING CONDITIONS

min. -40° / max. 55°

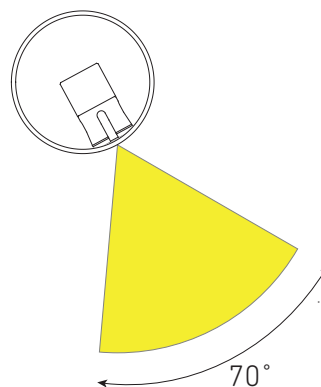
PROTECTION CLASS

POLYCARBONATE IP65 / IK10
BOROSILICATE IP67 (OPTION)

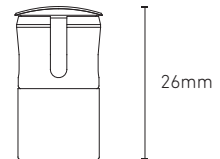
ELECTRICAL

COOLSPICE CONNECTOR

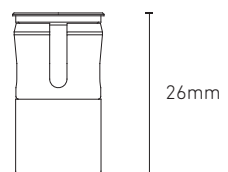
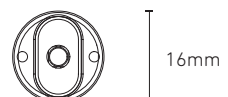
- INSTALLATION SURFACE**
MIN. 1.5mm WALL THICKNESS
MIN. Ø45mm RAIL (CURVED FACE ONLY)
- HOLE SIZE**
Ø15 mm
- COUNTERBORE**
(REQUIRED FOR FLUSH FINISH)
Ø16mm x 1.6mm (Curved Face)
Ø16mm x 0.5mm (Flat Face)



Elliptical symmetric distribution for typical mounting at 30° from vertical.



Curved Face



Flat Face

Ask Us.

Your success is important to us. Get in touch with your Planet LED Puck supplier today.

*Specifications are subject to change without notice.

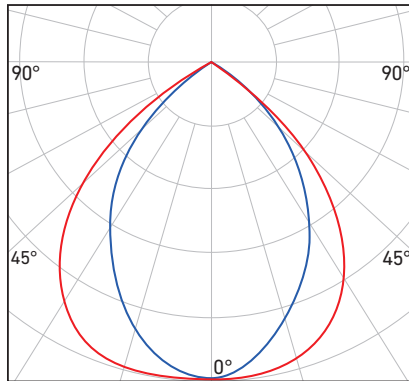
†Test for LED emitter at 500 mA and below 55°C ambient temp.



PHOTOMETRICS

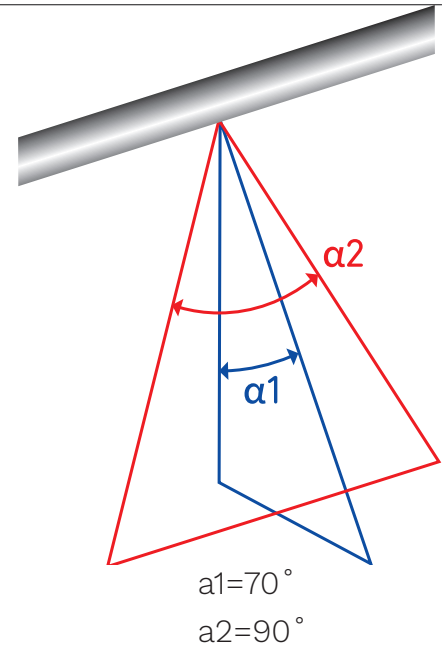
RGBW has an elliptical symmetric distribution. For installation in handrail, mounting is typically at 30° from the vertical axis of the handrail underside. RGBW is available in a range of distributions and special angles on request.

SYMMETRIC BEAM 3000K



Results displayed were obtained using white chip at 500mA

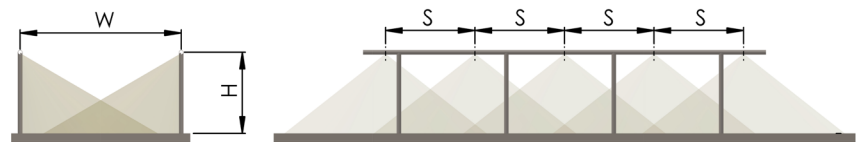
BEAM ALPHA 3000K



LUX GUIDE

The following guide is intended to help designers and engineers with desired lux levels. The drawing to the right shows a typical installation into a handrail. The tables list the average lux at a variety of path widths and LED spacings.

TYPICAL INSTALLATION



Height (H) is at 1m

SYMMETRIC BEAM: LIGHT FROM BOTH SIDES

Path Width (W)	1.2m	2.0m	3.0m	4.0m
LED Spacing (S)	lx	lx	lx	lx
0.5m	380	228	152	114
1.0m	190	114	76	57
2.0m	95	57	38	28

lx = average lux
CCT = 4000K

Note: Calculations indicated are with LED module installed at 30° offset from vertical down axis and obtained using white chip at 500mA.

