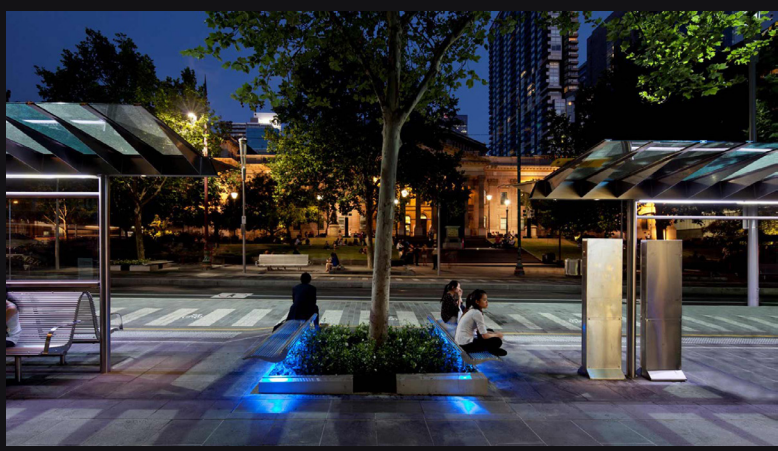


DATASHEET

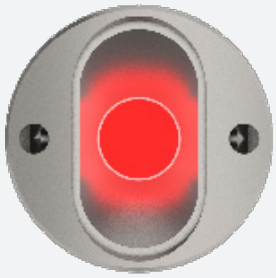
PLANET
LED PUCK
RGBW ST

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.



LED BY CREE | ANTI GLARE | HIGH lm/mm² | SUPERIOR BEAM CONTROL | 5 YEAR WARRANTY

FAST INSTALL | DESIGN VERSATILITY | WEATHER RESISTANT | IMPACT RESISTANT | MADE IN AUSTRALIA

TYPICAL SPECIFICATIONS

Product Code	Specifications
RGBW-ST-CF-40	RGBW Standard Beam Curved Face 4000K
RGBW-ST-FF-40	RGBW Standard Beam Flat Face 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
COOLSPLICE CONNECTOR

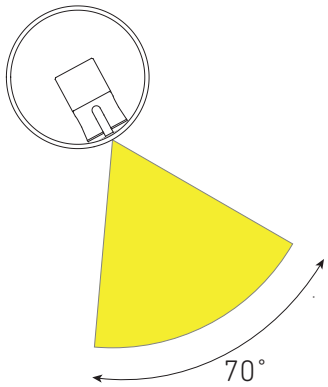
IK10 | IP67 | CE

INSTALLATION SURFACE
MIN. 1.5mm WALL THICKNESS
MIN. Ø45mm RAIL (CURVED FACE ONLY)

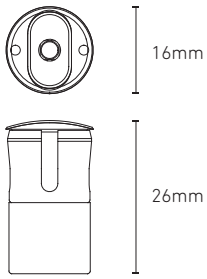
HOLE SIZE
Ø15 mm

COUNTERBORE
(REQUIRED FOR FLUSH FINISH)
Ø16mm x 1.6mm (Curved Face)
Ø16mm x 0.5mm (Flat Face)

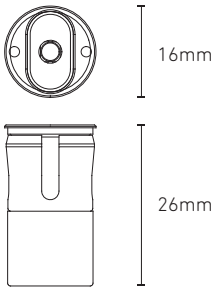
CONTROL
1-10V | DALI | DMX | ZIGBEE | CASAMBI
BLUE LIGHT LINK | basicDIM WIRELESS



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



Curved Face



Flat Face

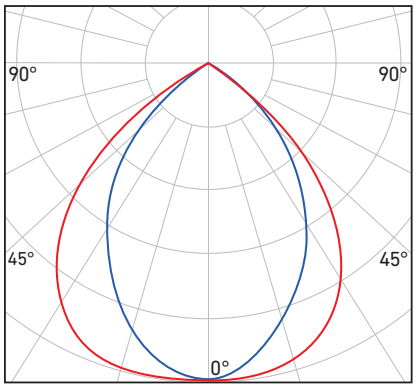
Ask Us.
Your success is important to us.
Get in touch with your
Planet LED Puck supplier today.

*Specifications are subject to change without notice.
†Test for LED emitter at 500 mA and below 55˚C ambient temp.

PHOTOMETRICS

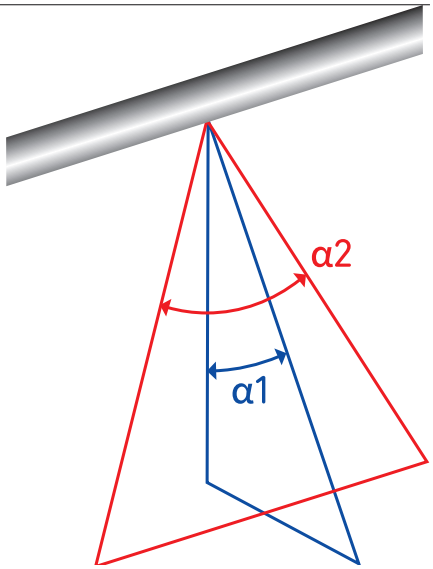
RGBW has an elliptical symmetric distribution. For installation in handrail, mounting is typically at 30° from the vertical axis of the handrail underside. RGBW is available in a range of distributions and special angles on request.

SYMMETRIC BEAM 3000K



Results displayed were obtained using white chip at 500mA

BEAM ALPHA 3000K



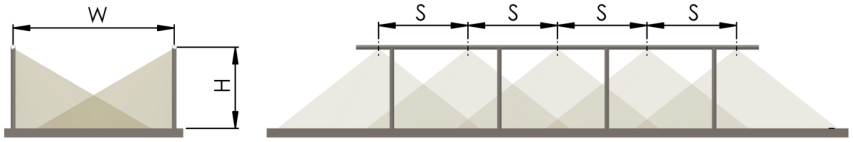
a1=70°

a2=90°

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

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.

SYMETRIC BEAM: LIGHT FROM BOTH

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