PLANET LIGHTING

DATASHEET

RGBW

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.

PRODUCT CODE	SPECIFICATION
RGBW-ST-CF-40	RGBW Standard Beam Curved Face 4000K
RGBW-ST-FF-40	RGBW Standard Beam Flat Face 4000K

CREE IP65 IP67 IK10 5 YEAR CE Intertek Intertek

ETLus conforms to UL2108
cETL conforms to CSA C22.2 #250.0

OPTIONS

Custom Beam Angles
Borosilicate Lens
CRI 90+

SPECIFICATIONS

TECHNICAL
1.4W / 500mA (WHITE CHIP) / 2.8Vf
4000K - 180lm
CRI 80+ (CRI 90+ OPTION)
3 STEP MACADAM ELLIPSE
B_{50} L_{70} >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

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

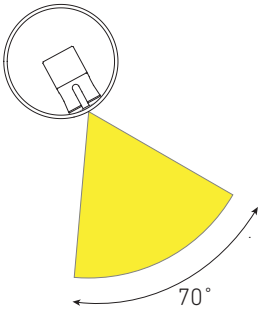
APERTURE
Ø15mm

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

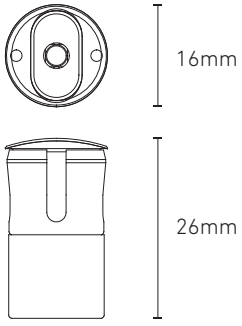
BEAM AND FACE DETAIL

STANDARD BEAM (FWHM)

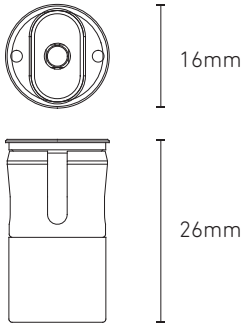


Elliptical symmetric distribution for typical mounting at 30° from vertical

CURVED FACE



FLAT FACE

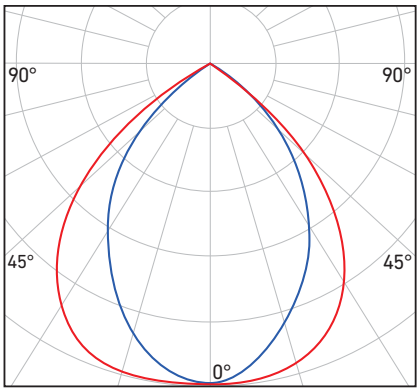


RGBW

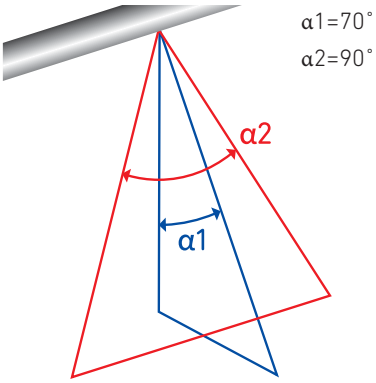
PHOTOMETRICS

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.

STANDARD BEAM 4000K



BEAM ALPHA 4000K

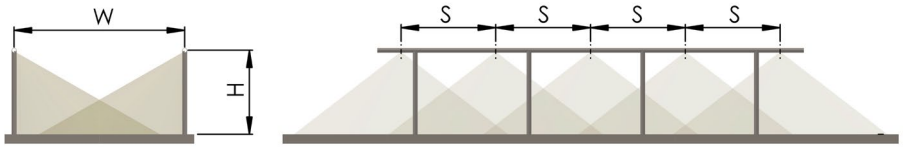


Results displayed were obtained using white chip at 500mA

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

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