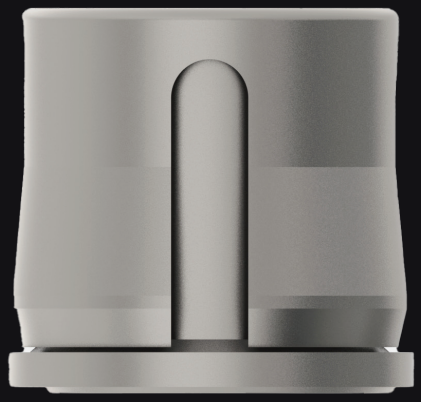


DATASHEET

PLANET
LED PUCK

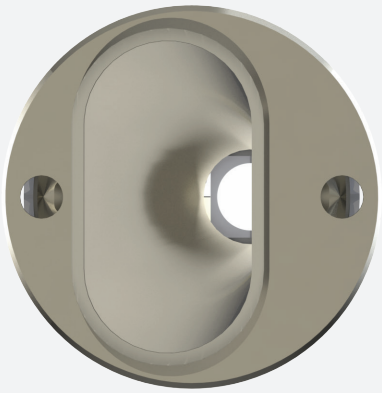
SNAP APERTURE

Aperture is handrail lighting without any unwanted back spill or glare. The ultimate in asymmetric beam control, Aperture's sharp cut off and high performance makes it perfect for positioning discreetly beneath the handrail, while still providing maximum reach and minimum spill. Ideal for maximum control of uniformity.

PLANET
LIGHTING

SNAP APERTURE

Aperture is handrail lighting without any unwanted back spill or glare. The ultimate in asymmetric beam control, Aperture's sharp cut off and high performance makes it perfect for positioning discreetly beneath the handrail, while still providing maximum reach and minimum spill. Ideal for maximum control of uniformity.



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
SNAP-CF-AP-30	SNAP Puck, Curved Face, Aperture Beam, 3000K
SNAP-CF-AP-40	SNAP Puck, Curved Face, Aperture Beam, 4000K
SNAP-FF-AP-30	SNAP Puck, Flat Face, Aperture Beam, 3000K
SNAP-FF-AP-40	SNAP Puck, Flat Face, Aperture Beam, 4000K

SPECIFICATIONS*

TECHNICAL
1.4W / 500mA / 2.8Vf
4000K - 144m
CRI 80+ (CRI 90+ OPTION)
3 STEP MACADAM ELLIPSE
L90 B10 >100,000h

IK10
IP67
CE

OPTICS
POLYCARBONATE (STANDARD)
BOROSILICATE (OPTION)

DISTRIBUTION
ELLIPTICAL ASYMMETRIC

MATERIAL
316 STAINLESS STEEL
ELECTROPOLISHED

LIGHTING INDUSTRY ASSOCIATION
TM66 CIRCULARITY 2.6
012-0138 LIA

AMBIENT OPERATING CONDITIONS
min. -40° / max. 55°

PROTECTION CLASS
Standard: Polycarbonate IP65/IK10
Optional: Borosilicate IP67, fire resistant
Optional: Polycarbonate IP68/IK10
Optional: Borosilicate IP68, fire resistant

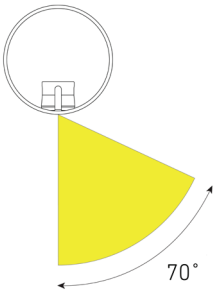
ELECTRICAL
COOLSPLICE CONNECTOR

INSTALLATION SURFACE
MIN. 1.5mm WALL THICKNESS
MIN. Ø35mm RAIL (CURVED FACE ONLY)

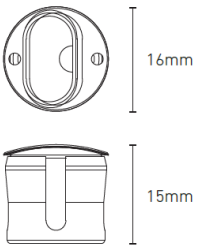
HOLE SIZE
Ø15 mm

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

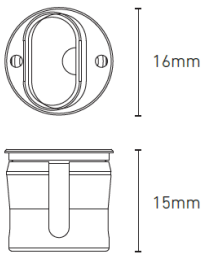
CONTROL
1-10V | DALI | DMX | ZIGBEE | CASAMBI
BLUE LIGHT LINK | basicDIM WIRELESS



Circular distribution measured at vertical down (0°) mounting.



Curved Face



Flat Face

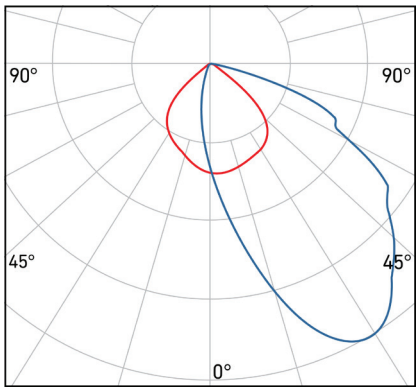
Ask Us.
Your success is important to us.
Get in touch with your
Planet LED Puck supplier today.

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

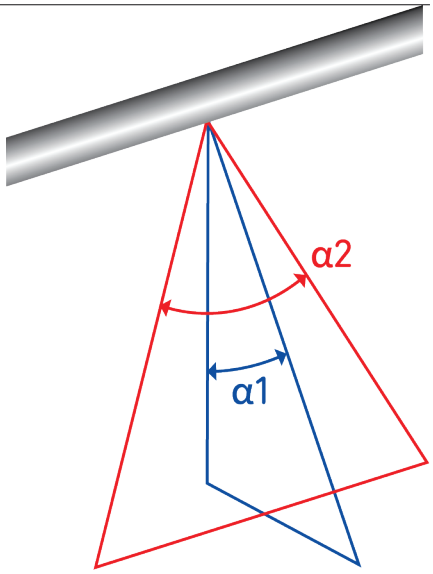
PHOTOMETRICS

Aperture has an elliptical asymmetric distribution. Designed for insertion at 0-10 degrees from the vertical axis of the handrail underside. The asymmetric beam illuminates the path but keeps the light source out of sight.

APERTURE BEAM 4000K



BEAM ALPHA 3000K



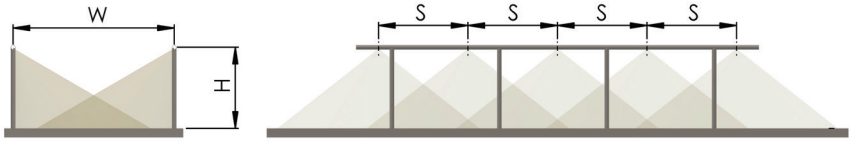
a1=70˚

a2=94˚

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 in vertical down position.

ASSYMETRIC BEAM: LIGHT FROM BOTH SIDES

Path Width (W)	1.2m	2m	3m	4m
LED Spacing (S)	lx	lx	lx	lx
0.5m	320	228	156	120
1m	160	114	78	60
2m	80	57	39	30