

## 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.

PRODUCT CODE	SPECIFICATION
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 - 144lm  
CRI 80+ (CRI 90+ OPTION)  
3 STEP MACADAM ELLIPSE  
L90 B10 >100,000h

### OPTICS

POLYCARBONATE (STANDARD)  
BOROSILICATE (OPTION)

### DISTRIBUTION

ELLIPTICAL ASYMMETRIC

### 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. Ø35mm RAIL (CURVED FACE ONLY)

### APERTURE

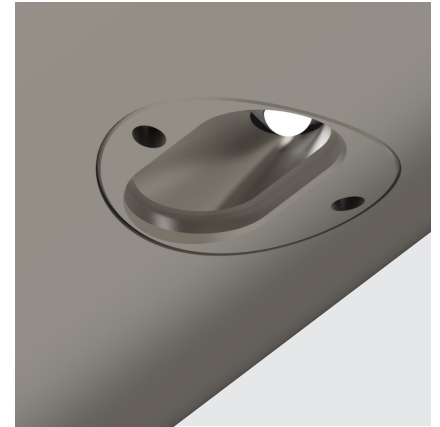
Ø15mm

### 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

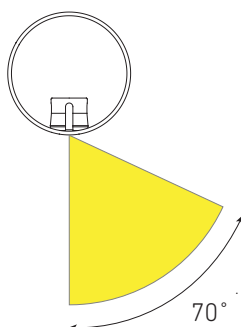


### OPTIONS

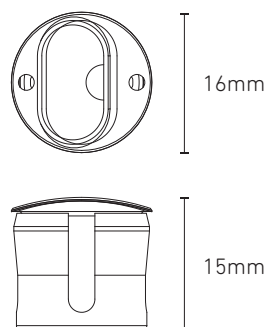
CCT 2700K, 3500K, Custom | Red, Green, Blue or Amber | Borosilicate Lens | CRI 90+ Zero (Anti-glare) | IP68 | Brass Finish

## BEAM AND FACE DETAIL

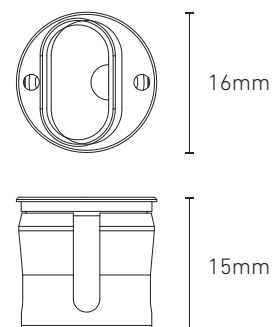
### ASYMMETRIC BEAM (FWHM)



### CURVED FACE



### FLAT FACE



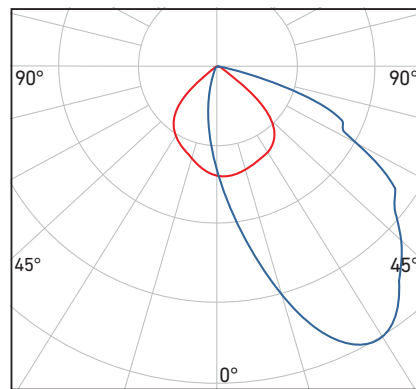
Aperture's elliptical asymmetric distribution displayed here with a vertical mount.

# APERTURE

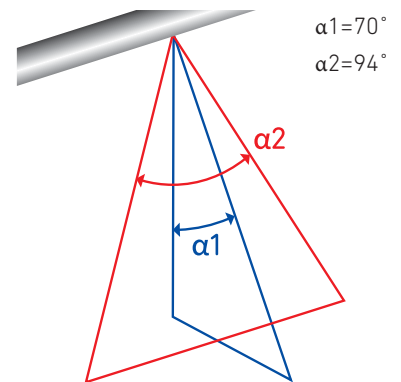
## PHOTOMETRICS

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 is available in a range of standard distributions and special angles on request.

ASYMMETRIC BEAM 4000K



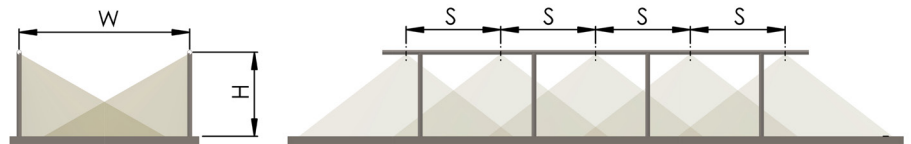
BEAM ALPHA 4000K



## 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	272	164	108	82
1.0m	136	82	54	41
2.0m	68	41	27	21

lx = average lux

CCT = 4000K

Note: Calculations indicated are with LED module in vertical down position.