

# IP68 ASYMMETRIC

LED Puck IP68 is the ideal waterproof handrail lighting solution. Built to last with premium materials and a vandal-resistant construction IP68 can deliver continued photometric excellence even in challenging environmental conditions: including snow and intermittent flooding — and all without sacrificing uniformity or elegance. It's confident lighting for the cold, wet or extreme.

PRODUCT CODE	SPECIFICATION
IP68-AS-CF-30	IP68 Asymmetric Beam Curved Face 3000K
IP68-AS-CF-40	IP68 Asymmetric Beam Curved Face 4000K
IP68-AS-FF-30	IP68 Asymmetric Beam Flat Face 3000K
IP68-AS-FF-40	IP68 Asymmetric Beam Flat Face 4000K



ETLus conforms to UL2108  
cETL conforms to CSA C22.2 #250.0  
Product Not for Permanent Submersion  
Warranty covers submersion up to 2m at 24hrs

## SPECIFICATIONS

### TECHNICAL

1.4W / 500mA / 2.8Vf  
3000K - 117lm / 4000K - 125lm  
CRI 80+ (CRI 90+ OPTION)  
3 STEP MACADAM ELLIPSE  
L90 B10 >100,000h

### OPTICS

OPTICALLY CLEAR POLYURETHANE

### DISTRIBUTION

ELLIPTICAL ASYMMETRIC

### MATERIAL

316 STAINLESS STEEL  
ELECTROPOLISHED

### AMBIENT OPERATING CONDITIONS

MIN. -40° / MAX. 55°

### PROTECTION CLASS

IK10 / IP68 — RATED TO 2m at 24hrs  
(NOT FOR PERMANENT SUBMERSION)

### 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

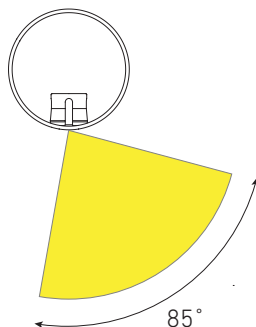


### OPTIONS

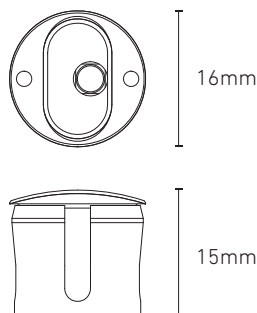
CCT 2700K / 3500K / Custom  
Custom Beam Angles  
CRI 90+

## BEAM AND FACE DETAIL

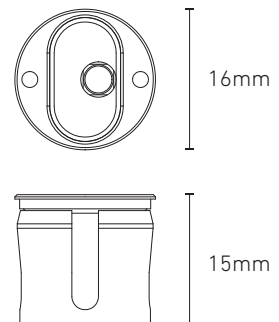
### ASYMMETRIC (FWHM)



### CURVED FACE



### FLAT FACE



*Elliptical asymmetric distribution displayed here with a vertical mount.*

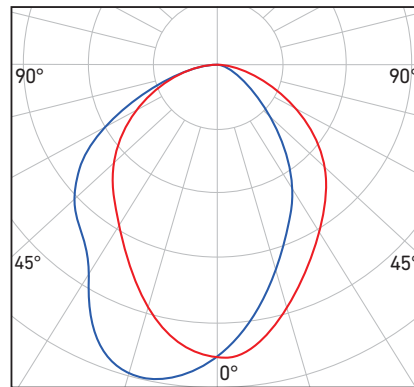
[planetlighting.com/led-puck](http://planetlighting.com/led-puck)

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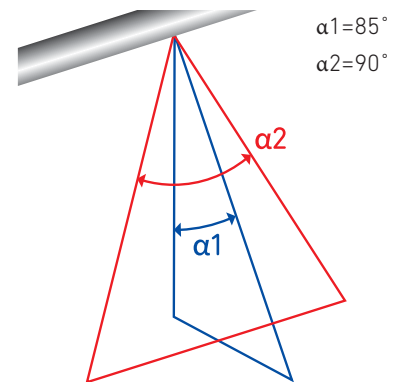
## PHOTOMETRICS

IP68 Asymmetric 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. IP68 is available in a range of standard distributions and special angles on request.

ASYMMETRIC BEAM 3000K



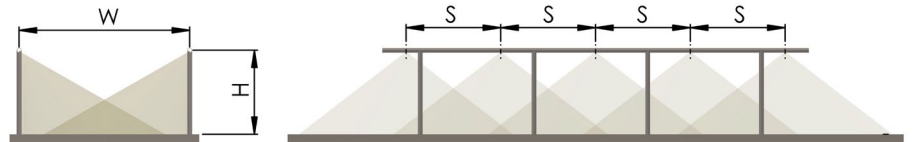
BEAM ALPHA 3000K



## 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

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	171	103	68	51
1.0m	86	51	34	26
2.0m	43	26	17	13

lx = average lux

CCT = 3000K

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