



**LED COLOUR**

- 30 3000K
- 40 4000K

**BEAM ANGLE**

- 70 70° Standard
- 75 75° Asymmetric

**FACE**

- C Curved
- F Flat

**DRIVER OPTION**

- FO Fixed Output
- I 1-10
- D DALI Dimming

**Product Code**

PUCKSNAP/ 1.4 / / / /

<b>1.4W</b>	Colour Temp (K)	3000	4000
	Luminous Flux Standard (lm)	170	180
	Luminous Flux Asymmetric (lm)	165	175

**APPLICATIONS**

With a unique anti-glare lens coating, the LED Puck is a discreet, durable and atmospheric lighting solution for handrails.

**DESCRIPTION**

The Puck lens options include standard symmetric or asymmetric beam with colour temperatures of 3000K or 4000K available.

The Puck is retro-fit and installed into existing handrails from 35 to 100mm diameter. The anti-tamper design can only be removed or connected with a specially designed tool.

IK10 impact-resistant with corrosion protected stainless steel and IP65 rated housing for outdoor application

The Puck features a patented collapsible shell design for quick, snap-in install with a perfect secure flush finish.

**FEATURES**

- Snap-in install design
- IP65
- IK10
- CRI80
- 3000K or 4000K
- Retro-fit
- Anti-tamper
- Compatible with fixed output, 1-10 and DALI dimming systems
- No UV or IR emissions
- 3 Step MacAdam Ellipse
- LED lifetime 50,000 hours

**NOTE**

It is important that you check the compatibility of the dimmable units with the lighting controls supplier before placing your order.



Parameter	Specification
LED Light Source	CREE
Power Consumption (W)	1.4
LED Current (mA)	500
Colour Temperature (K)	3000   4000
Luminous Flux Standard (lm)	170   180
Luminous Flux Asymmetric (lm)	165   175
Optic	Polycarbonate
LED Distribution	Elliptical asymmetric or standard symmetric
Finish	Stainless steel
Mounting Type	Recessed snap-in
CRI (Ra)	80 (90 on request)
Lifetime (Hrs)	50000
Dimensions (mm)	16 x 15
Cut Out (mm)	ø16 x 1.6
Ingress Protection (IP)	IP65
IK Impact Rating (IK)	IK10
Operating Temperature (°C)	-40°C ~ 55°C
Installation Surface (mm)	Min 1.5mm wall thickness, ø35mm rail (curved only)
Aperture (mm)	ø15
Connection (°C)	Coolspace connector
Driver Options	Fixed Output 1-10 DALI

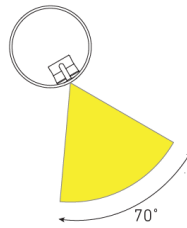


**BEAM AND FACE**

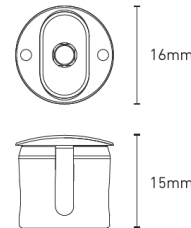
The elliptical distribution example for a standard symmetric and an asymmetric optic with a typical vertical mount.

Curved and flat face dimensions.

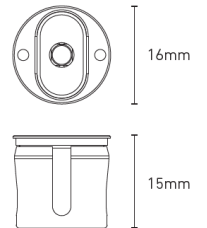
STANDARD BEAM (FWHM)



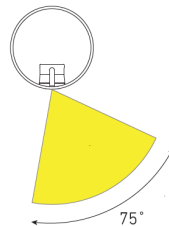
CURVED FACE



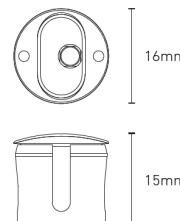
FLAT FACE



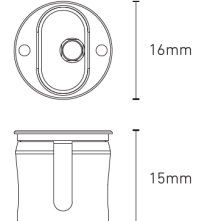
ASYMMETRIC BEAM (FWHM)



CURVED FACE



FLAT FACE

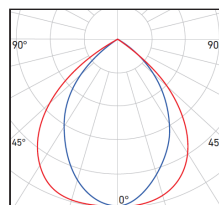


**PHOTOMETRICS**

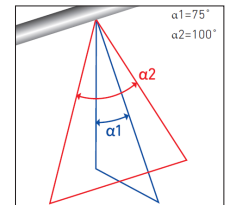
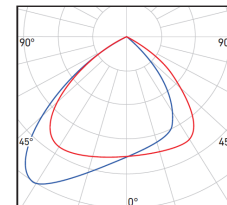
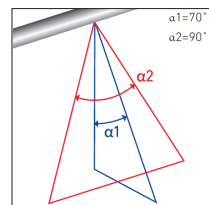
The asymmetric is designed for insertion at 0-10 degrees from the vertical axis of the handrail underside. The asymmetric beam illuminates the path but keeps the light source out of visual sight.

The standard symmetrical distribution is typically at 30° from the vertical axis of the handrail underside.

STANDARD BEAM 3000K



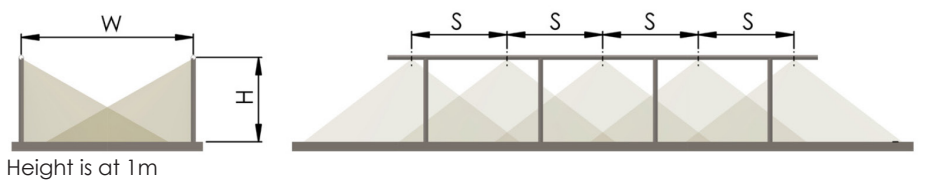
ASYMMETRIC BEAM 3000K



**INSTALLATION GUID**

The puck can also be installed in non-metal material (plasterboard, bamboo or wood) but will need to be run at 350mA to guarantee lifetime.

The drawing shows a typical installation into a handrail. The table lists the average lux at a variety of path widths and LED spacings.



Height is at 1m

Standard symmetrical beam: light from both sides					
Path Width	(m)	1.2	2.0	3.0	4.0
LED Spacing		lx	lx	lx	lx
0.5	(m)	291	174	116	87
1.0	(m)	145	87	58	44
2.0	(m)	73	44	29	22
lx = average lux					