



PLANET
LED PUCK

DATASHEET

TUNABLE WHITE

Make lighting design easy with LED Puck Tunable White. Enjoy exceptional design versatility with dynamic colour temperature and brightness control, all without sacrificing discretion. It's the Tunable White for professionals in the smallest package available.

TYPICAL SPECIFICATIONS

PRODUCT CODE	SPECIFICATION
SNAP-CF-ST-TW	Snap Puck, Curved Face, Standard Beam, Tunable White
SNAP-FF-ST-TW	Snap Puck, Flat Face, Standard Beam, Tunable White

Spec your LED Puck
the way you want it!
See pages 3-4 for
more configuration
options.

CREE 



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

SPECIFICATIONS*

TECHNICAL

1.4W / 500mA / 2.8Vf
3000K - 170lm / 4000K - 180lm
CRI 80+ (CRI 90+ OPTION)
3 STEP MACADAM ELLIPSE
 $L_{90} B_{10} > 100,000h^{\dagger}$
CCT 2700K - 6500K

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

PLUG & PLAY WATERPROOF CONNECTOR

INSTALLATION SURFACE

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

APERTURE

Ø15mm

COUNTERBORE

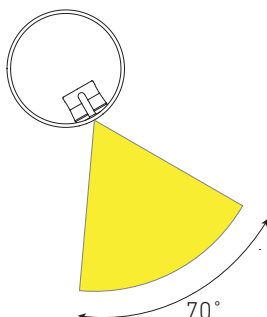
(REQUIRED FOR FLUSH FINISH)
Ø16mm x 1.6mm (Curved Face)
Ø16mm x 0.5mm (Flat Face)

CONTROL

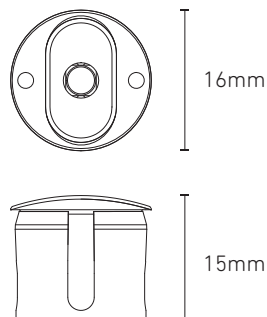
DALI2 DT8 | CUSTOM

BEAM AND FACE DETAIL

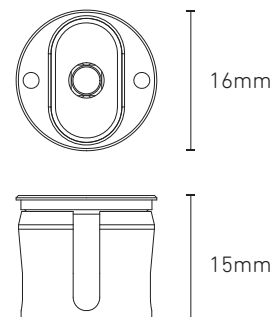
STANDARD BEAM (FWHM)



CURVED FACE



FLAT FACE



Elliptical symmetric distribution for typical
mounting at 30° from vertical
planetlighting.com/led-puck

*Specifications are subject to change without notice.

[†]Test for LED emitter at 500mA and below 55° ambient temp.

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OPTIONS

Borosilicate Lens | CRI 90+
Zero (Anti-glare) | IP68 | Brass Finish
See pages 3-4 for more options.

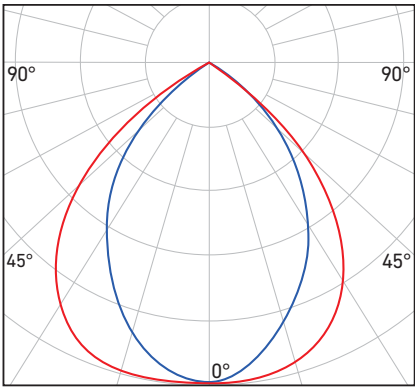


TUNABLE WHITE

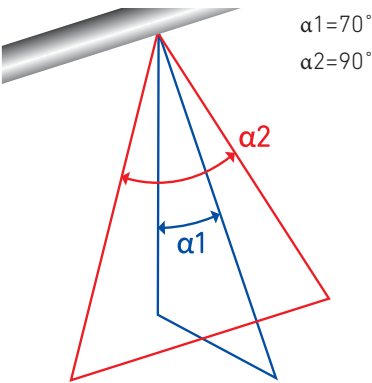
PHOTOMETRICS

Tunable White Standard has an elliptical symmetric distribution. For installation in handrail, mounting is typically at 30° from the vertical axis of the handrail underside. Tunable White is available in a range of distributions and special angles on request.

STANDARD BEAM 3000K



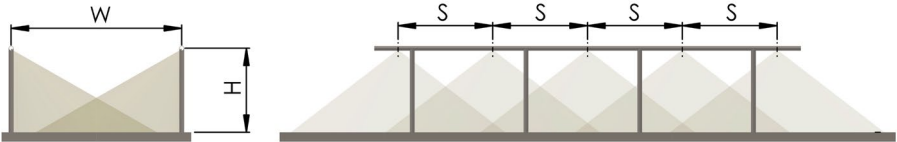
BEAM ALPHA 3000K



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	342	205	137	103
1.0m	171	103	68	51
2.0m	86	51	34	26

lx = average lux

CCT = 3000K

Note: Calculations indicated are with LED module installed at 30° offset from vertical down axis.

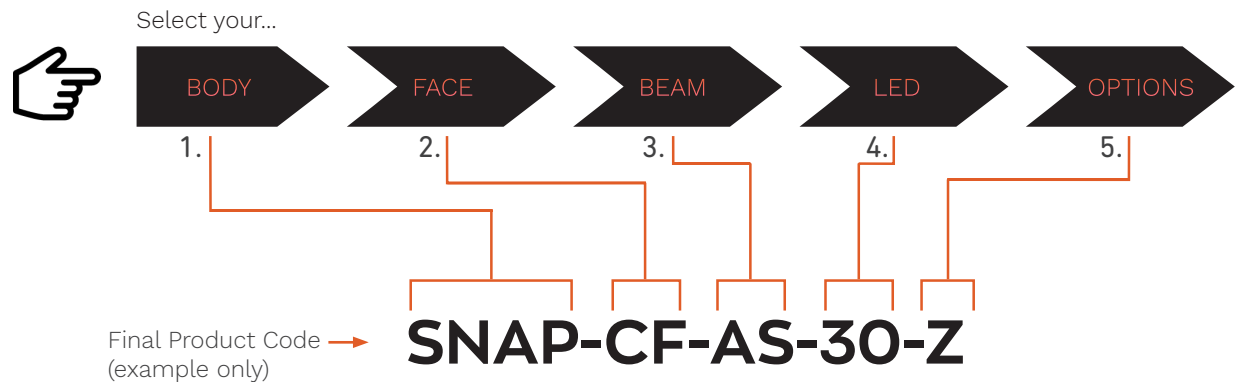
SPEC YOUR LED PUCK

The Way You Want It!











LED PUCK CODE BUILDER

Specify your LED Puck in 5 easy steps. Use the attached *LED Puck Code Reference Sheet* for reference. All LED Puck product codes follow this simple structure. We've got some example specifications for you below.

START
HERE!



EXAMPLE LED PUCK SPECIFICATIONS

	DESCRIPTION	PRODUCT CODE	BODY	FACE	BEAM	LED	OPTIONS	
EXAMPLE 1	A Snap type body with curved face, asymmetric beam, 3000K, and with options Zero anti-glare and raw brass.	SNAP-CF-AS-30-Z-BR	 SNAP	 CF	 AS	 30	 Z	 BR
EXAMPLE 2	A Solo type body with flat face, standard beam, tunable white. No options selected.	SOLO-FF-ST-TW	 SOLO	 FF	 ST	 TW		

LED PUCK CODE REFERENCE SHEET

BODY

Select one....



Snap
Metal Surfaces

(SNAP)

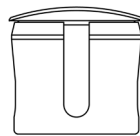


Solo
Non-metal Surfaces

(SOLO)

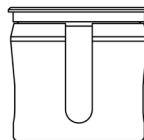
FACE

Select one....



Curved Face

(CF)

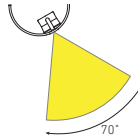


Flat Face

(FF)

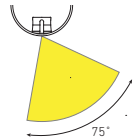
BEAM

Select one....



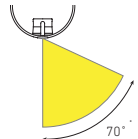
Standard

(ST)



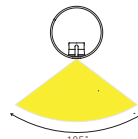
Asymmetric

(AS)



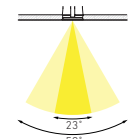
Aperture

(AP)



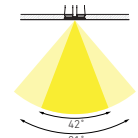
Wide

(WD)



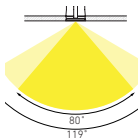
Lens Narrow

(LN)



Lens Medium

(LM)



Lens Wide

(LW)

LED

Select one....



2700K

(27)



3000K

(30)



3500K

(35)



4000K

(40)



5000K

(50)



6500K

(65)



Red

(RD)



Green

(GN)



Blue

(BL)



Amber

(AM)



RGBW

(RGBW)



Tunable White

(TW)

OPTIONS

Select none, one or multiple....



Zero Anti Glare

(Z)



IP68

(68)



CRI 90+

(90)



Painted
(PLEASE SPECIFY)

(P)



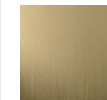
Borosilicate Glass

(B)



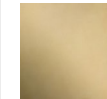
Frosted Finish

(F)



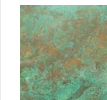
Brass Raw

(BR)



Brass Polished

(BP)



Brass Aged Bronze
Patina

(BA)

Spec your LED Puck the way you want it!
Follow our LED Puck Code Builder using the codes on this page.

BODY FACE BEAM LED OPTIONS

SNAP-CF-AS-30-Z

Final Product Code
(example only)