

**Product number CA10321_SPUTNIK-Z-SS**

Family	Sputnik	FWHM	10 degrees
Type	Assembly	Efficiency	89 %
LED	P4	cd/lm	-
Color	Clear	Gerber File	Available
Diameter	26 mm		
Height	16.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**Product number CA10322_SPUTNIK-Z-O**

Family	Sputnik	FWHM	14+36 degrees
Type	Assembly	Efficiency	88 %
LED	P4	cd/lm	-
Color	Clear	Gerber File	Available
Diameter	-		
Height	-		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**Product number CA10249_SPUTNIK-M**

Family	Sputnik	FWHM	25 degrees
Type	Assembly	Efficiency	86 %
LED	P4	cd/lm	-
Color	Clear	Gerber File	Available
Diameter	26 mm		
Height	16.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		

**Product number CA10241_SPUTNIK-W**

Family	Sputnik	FWHM	66 degrees
Type	Assembly	Efficiency	66 %
LED	P4	cd/lm	0.500
Color	Clear	Gerber File	Available
Diameter	26 mm		
Height	16.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	-		
Fastening	["tape"]		
Status	Production ready		



PRODUCT DATASHEET

Sputnik series

last update 26/6/2014

NOTE: The typical divergence will be changed by different color, chip size and chip position tolerance. The typical total divergence is the full angle measured where the luminous intensity is half of the peak value.



PRODUCT DATASHEET

Sputnik series

last update 26/6/2014

GENERAL INFORMATION

- Product series especially designed & optimized for P4 series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PMMA with high UV and temperature resistance. Allows use of high current and temperature conditions.

Please find more information about used material from below:

http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20UL94_Yellow%20Card.pdf

<http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20PLEXIGLAS-Datasheet.pdf>