

## SANDRA-12-W

~30° wide beam

### SPECIFICATION:

Dimensions	Ø 67.0 mm
Height	11.1 mm
Fastening	glue, pin
ROHS compliant	yes ⓘ

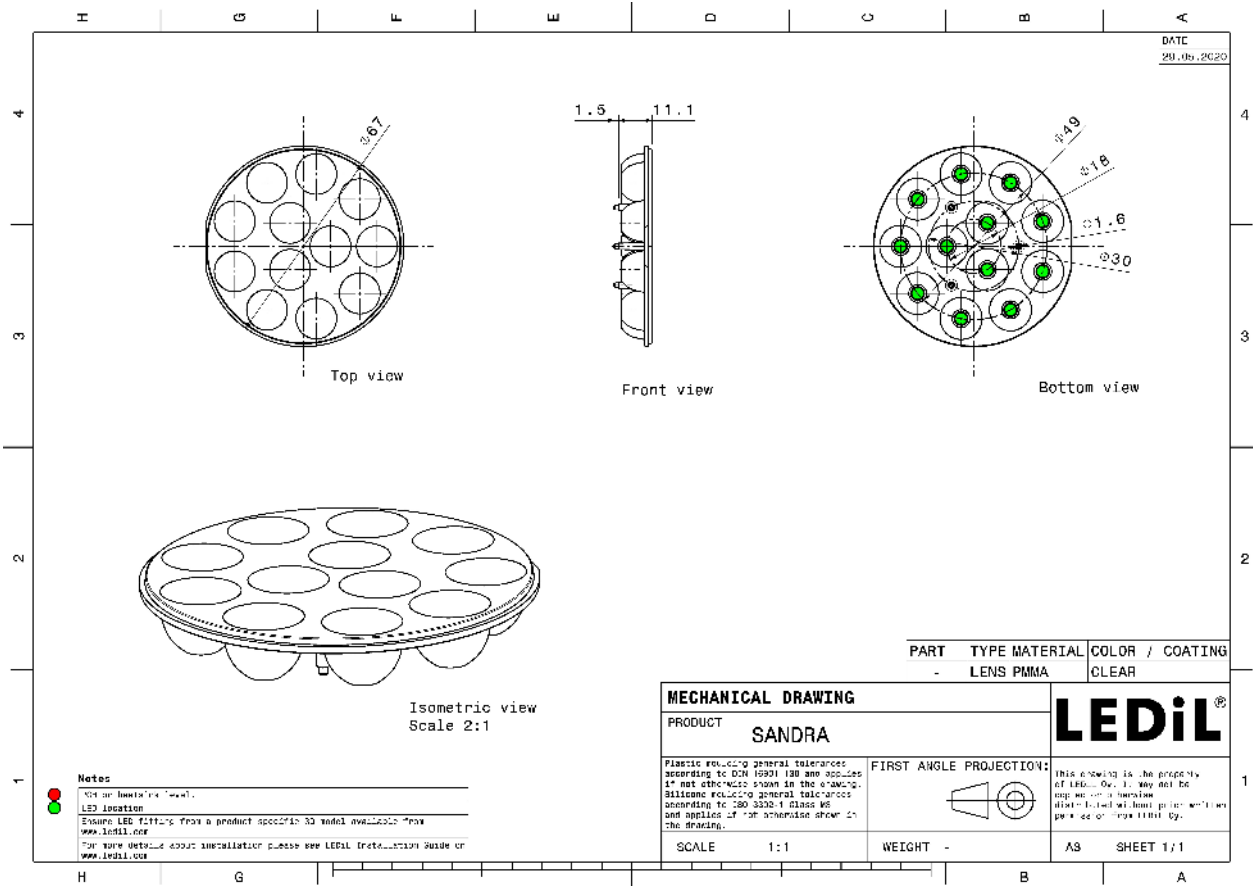


### MATERIALS:

Component	Type	Material	Colour	Finish
SANDRA-12-W	Multi-lens	PMMA	clear	

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C11700_SANDRA-12-W » Box size: 480 x 280 x 300 mm	306	306	18	7.9

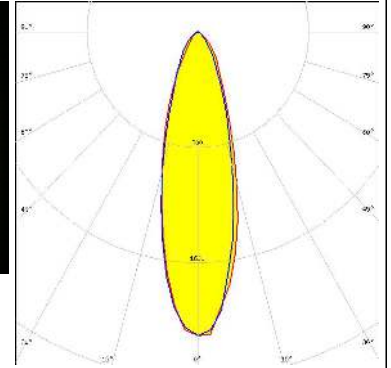


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):

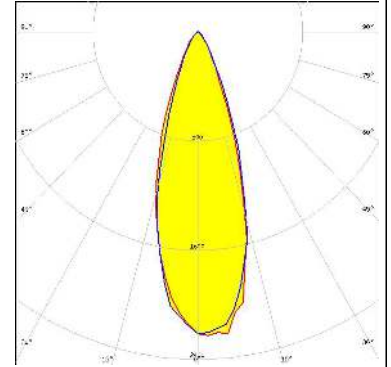
##### CREE LED

LED XP-E  
 FWHM / FWTM 30.0° / 76.0°  
 Efficiency 84 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



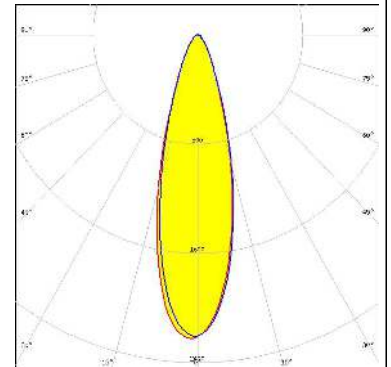
##### CREE LED

LED XP-G  
 FWHM / FWTM 34.0° / 60.0°  
 Efficiency 91 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



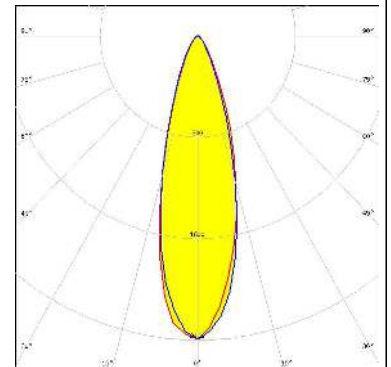
##### NICHIA

LED NCSxx19A  
 FWHM / FWTM 29.0° / 59.0°  
 Efficiency 87 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

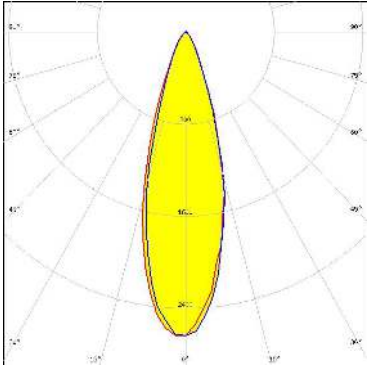


##### NICHIA

LED NVSxx19A  
 FWHM / FWTM 30.0° / 62.0°  
 Efficiency 87 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (MEASURED):

<b>OSRAM</b> Opto Semiconductors			
LED	OSLON SSL 80		
FWHM / FWTM	30.0° / 54.0°		
Efficiency	90 %		
Peak intensity	2.6 cd/lm		
LEDs/each optic	1		
Light colour	White		
Required components:			
<b>SECOIL</b> SEOUL SEMICONDUCTOR			
LED	Z5		
FWHM / FWTM	36.0°		
Efficiency	%		
LEDs/each optic	1		
Light colour	White		
Required components:			

### GENERAL INFORMATION:

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

### MATERIALS:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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