

## SANDRA-12-M

~30° medium beam

## SPECIFICATION:

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

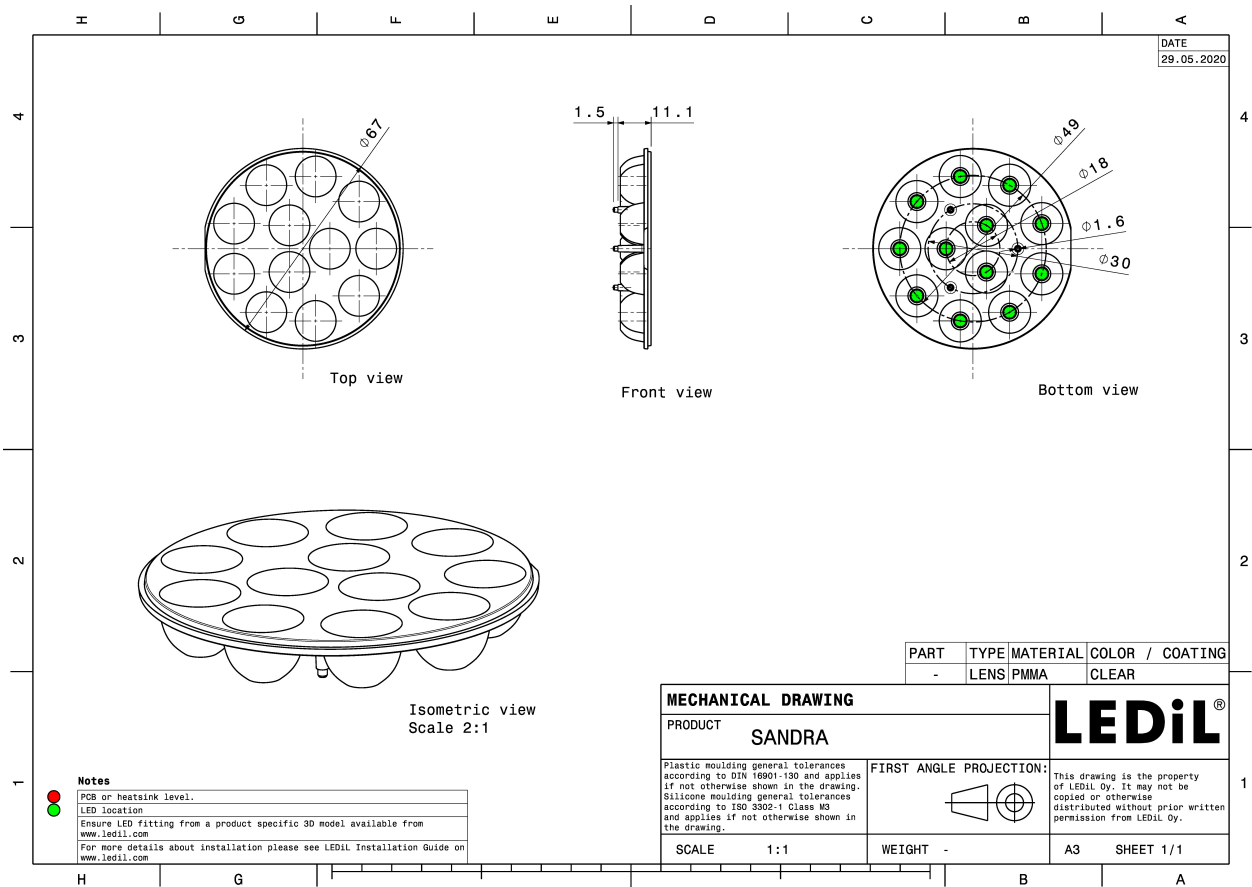


## MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
SANDRA-12-M	Multi-lens	PMMA	clear		

## ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C11814_SANDRA-12-M » Box size: 480 x 280 x 300 mm	306		18	7.1

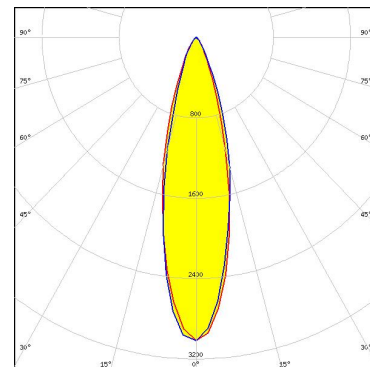


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



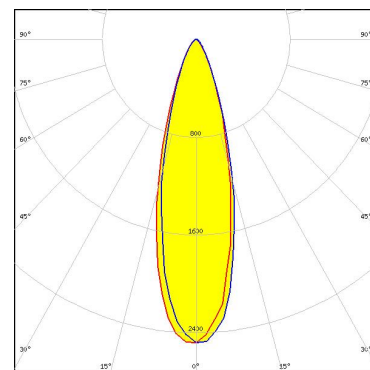
LED XP-E  
 FWHM / FWTM 26.0° / 50.0°  
 Efficiency 83 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



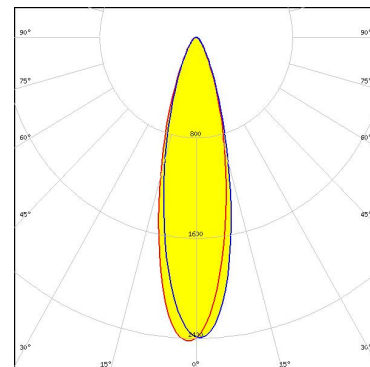
LED XP-G  
 FWHM / FWTM 28.0° / 58.0°  
 Efficiency 91 %  
 Peak intensity 2.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NCSxx19A  
 FWHM / FWTM 27.0° / 57.0°  
 Efficiency 86 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

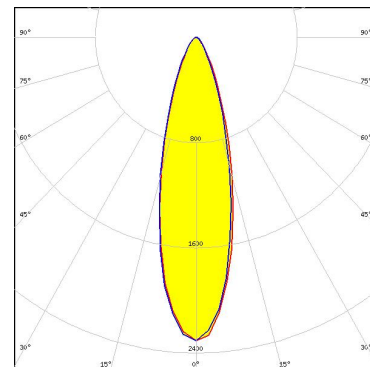


Light distribution files

#### OPTICAL RESULTS (MEASURED):



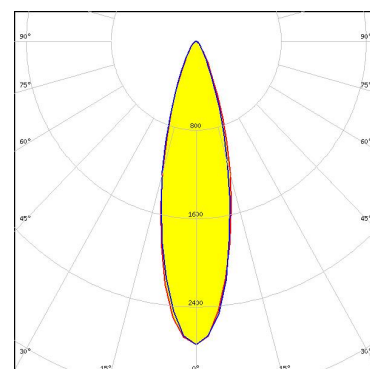
LED NVSxx19A  
 FWHM / FWTM 30.0° / 62.0°  
 Efficiency 86 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED OSLOM SSL 80  
 FWHM / FWTM 28.0° / 56.0°  
 Efficiency 90 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

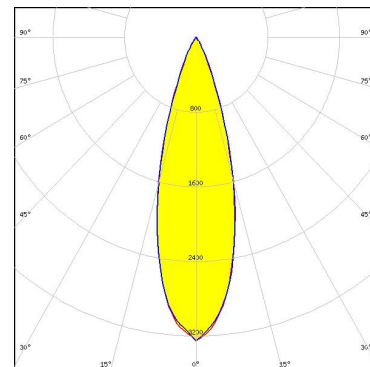


LED Z5  
 FWHM / FWTM 28.0°  
 Efficiency %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

### OPTICAL RESULTS (SIMULATED):



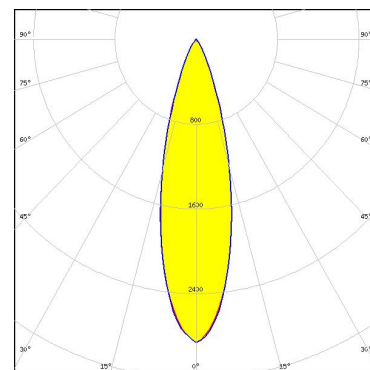
LED J Series 3030  
FWHM / FWTM 30.0° / 52.0°  
Efficiency 97 %  
Peak intensity 3.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



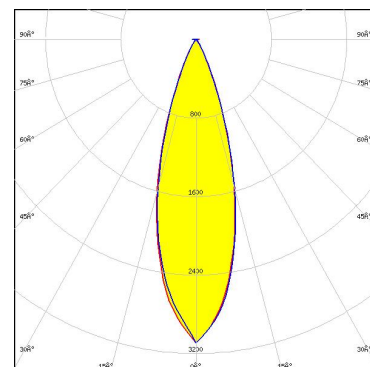
LED XB-D  
FWHM / FWTM 28.0° / 52.0°  
Efficiency 82 %  
Peak intensity 2.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XB-D  
FWHM / FWTM 30.0° / 53.0°  
Efficiency 98 %  
Peak intensity 3.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

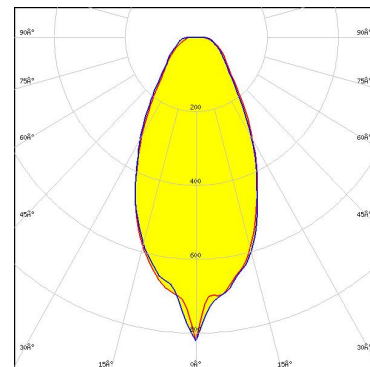


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



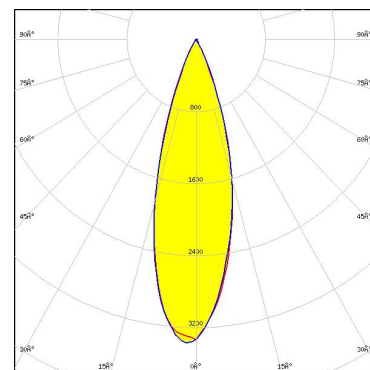
LED LUXEON HL2X  
 FWHM / FWTM 49.0° / 118.0°  
 Efficiency 91 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED OSLOM SSL 150  
 FWHM / FWTM 30.0° / 51.0°  
 Efficiency 98 %  
 Peak intensity 3.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

### 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:

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