

## SANDRA-12-M

~30° medium beam

### TECHNICAL SPECIFICATIONS:

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

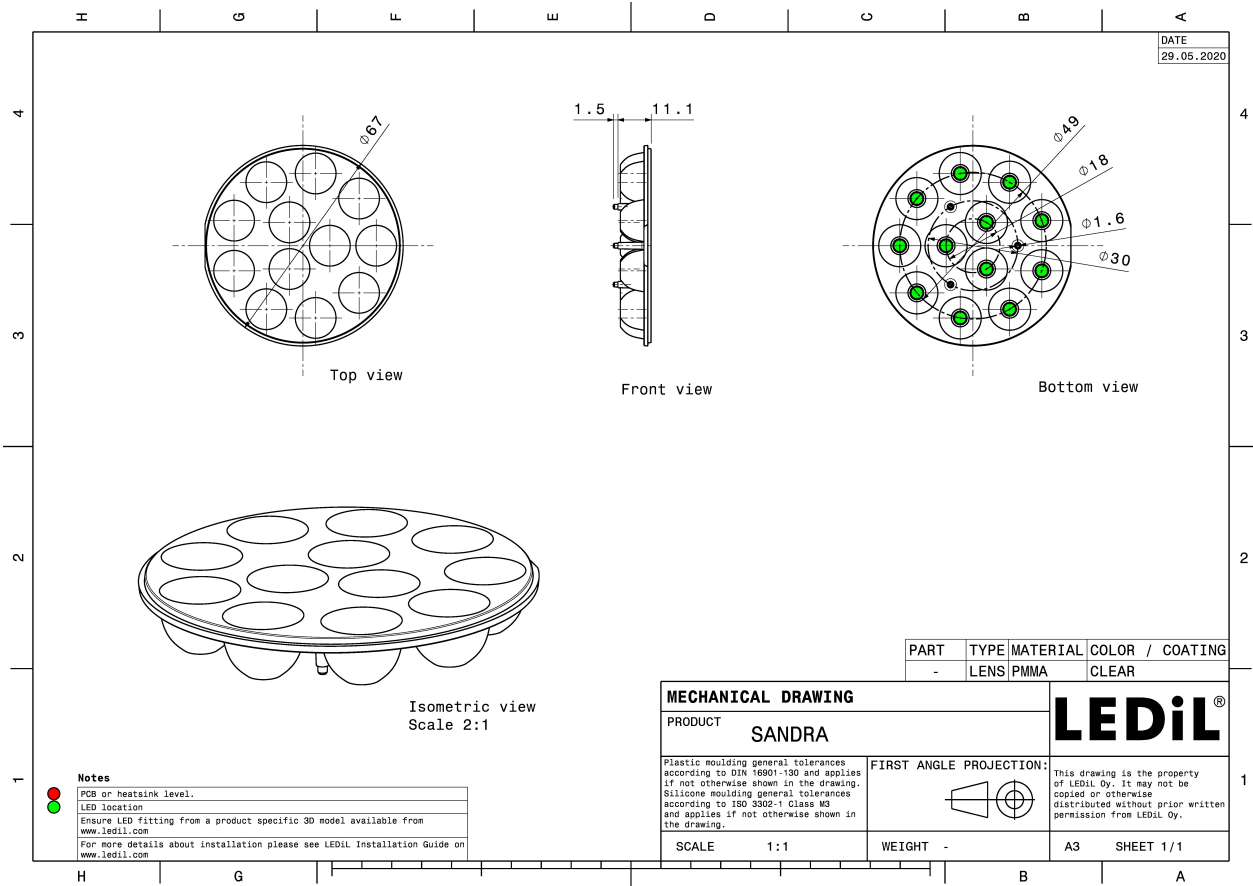


### MATERIAL SPECIFICATIONS:

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

### ORDERING INFORMATION:

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

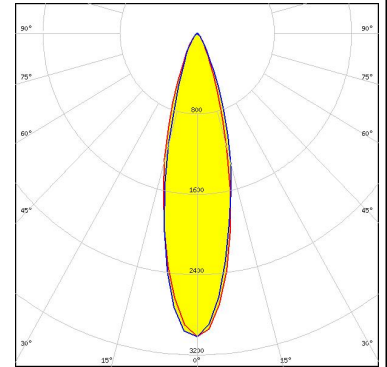


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### PHOTOMETRIC DATA (MEASURED):

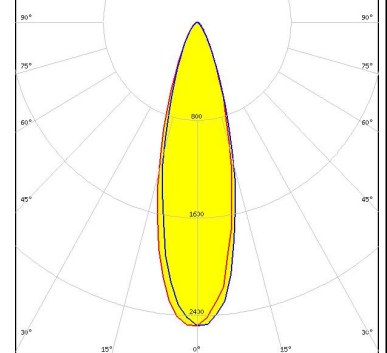
#### CREE LED

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



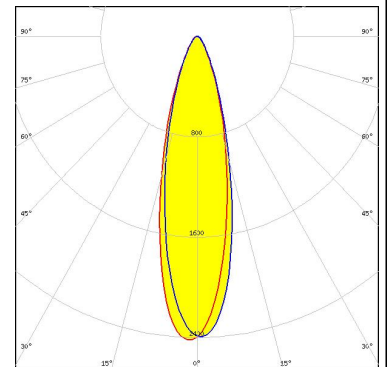
#### CREE LED

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



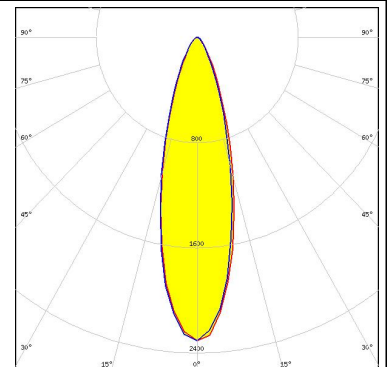
#### NICHIA

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



#### NICHIA

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

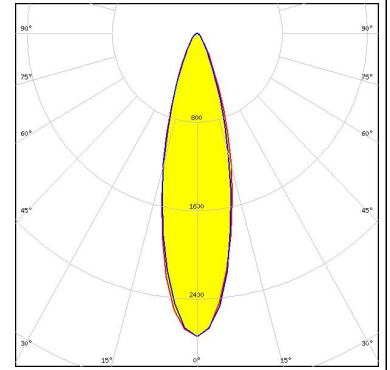


### PHOTOMETRIC DATA (MEASURED):

#### OSRAM

Opto Semiconductors

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



#### SEOLUX

SEOUL SEMICONDUCTOR

LED Z5  
FWHM / FWTM 28.0°  
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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