

SANDRA-12-S

~14° spot beam



SPECIFICATION:

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

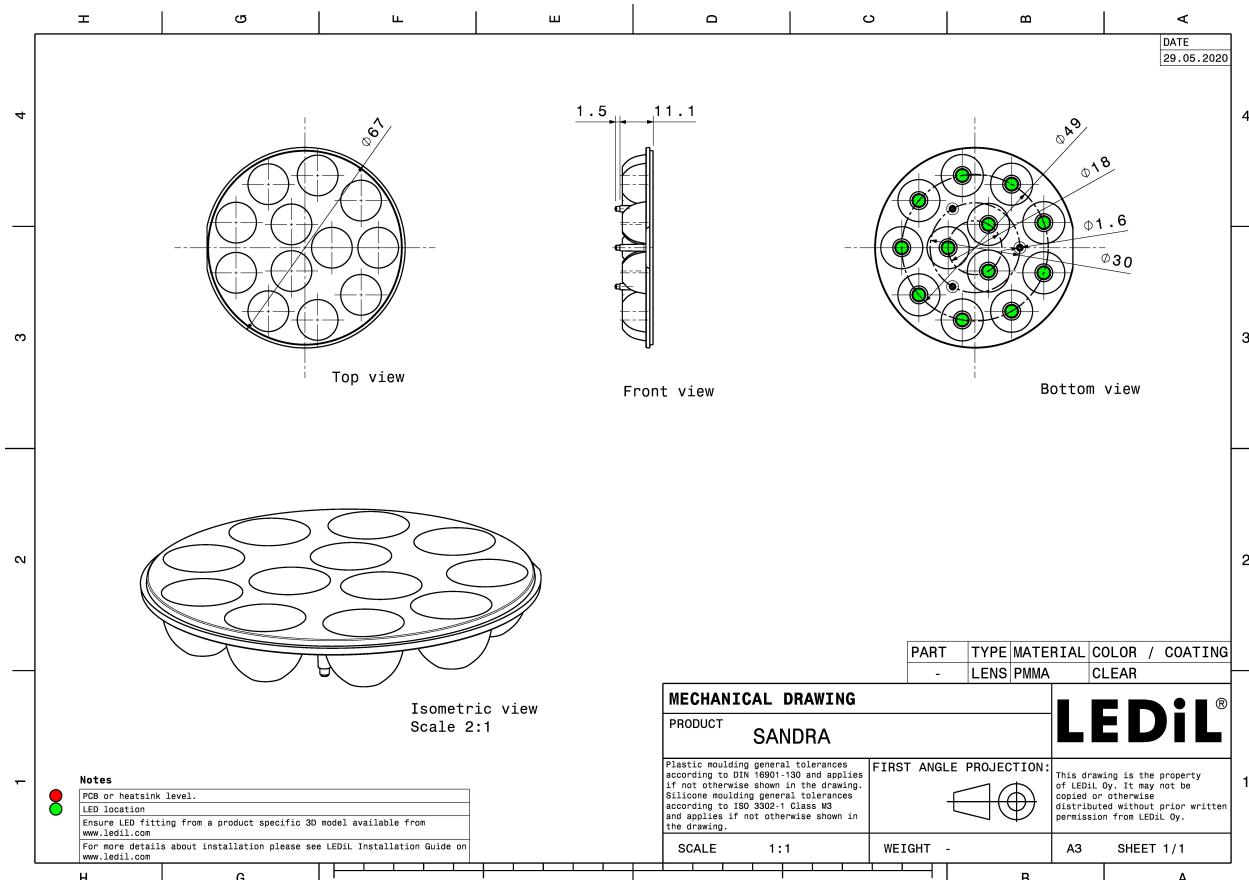
MATERIALS:

LEDiL®

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

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C13236_SANDRA-12-S » Box size: 480 x 280 x 300 mm	306	18		7.8

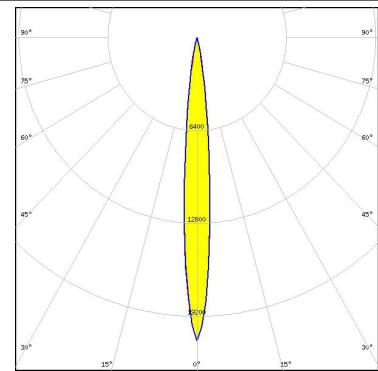


See also our general installation guide: www.ledil.com/installation_guide

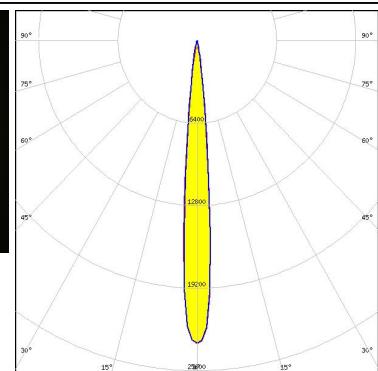
OPTICAL RESULTS (MEASURED):



LED XP-E
FWHM / FWTM 10.0° / 22.0°
Efficiency 91 %
Peak intensity 18.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XP-E2
FWHM / FWTM 10.0° / 18.0°
Efficiency 94 %
Peak intensity 23.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XP-G
FWHM / FWTM 15.0° / 29.0°
Efficiency 93 %
Peak intensity 9.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NVSxx19A
FWHM / FWTM 15.0° / 29.0°
Efficiency 90 %
Peak intensity 9.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

OPTICAL RESULTS (MEASURED):

OSRAM

Opto Semiconductors

LED OSLON SSL 80

FWHM / FWTM 10.0° / 21.0°

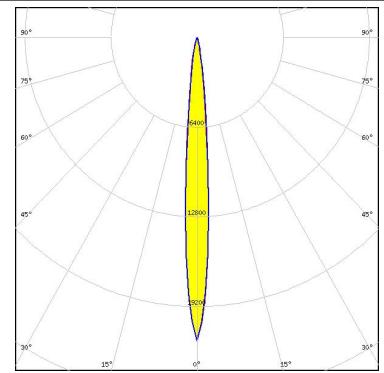
Efficiency 91 %

Peak intensity 18.5 cd/lm

LEDs/each optic 1

Light colour White

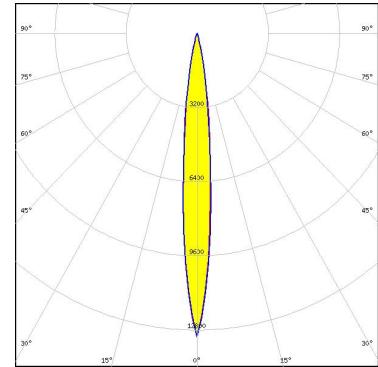
Required components:



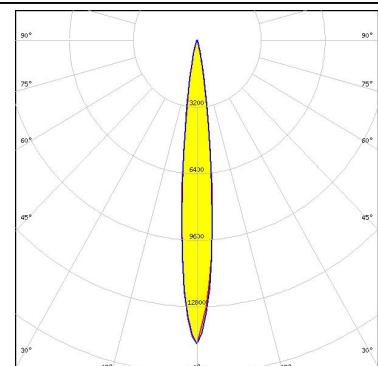
OPTICAL RESULTS (SIMULATED):



LED XB-D
FWHM / FWTM 10.0° / 24.0°
Efficiency 81 %
Peak intensity 13.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XD16
FWHM / FWTM 12.0° / 23.0°
Efficiency 94 %
Peak intensity 14.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON Rebel
FWHM / FWTM 11.5° / 20.0°
Efficiency 91 %
LEDs/each optic 1
Light colour White
Required components:



LED OSLON Square EC
FWHM / FWTM 13.0° / 25.0°
Efficiency 90 %
LEDs/each optic 1
Light colour White
Required components:

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED OSLON SSL 150

FWHM / FWTM 10.0° / 20.0°

Efficiency 91 %

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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