

SANDRA-12-W

~30° wide beam

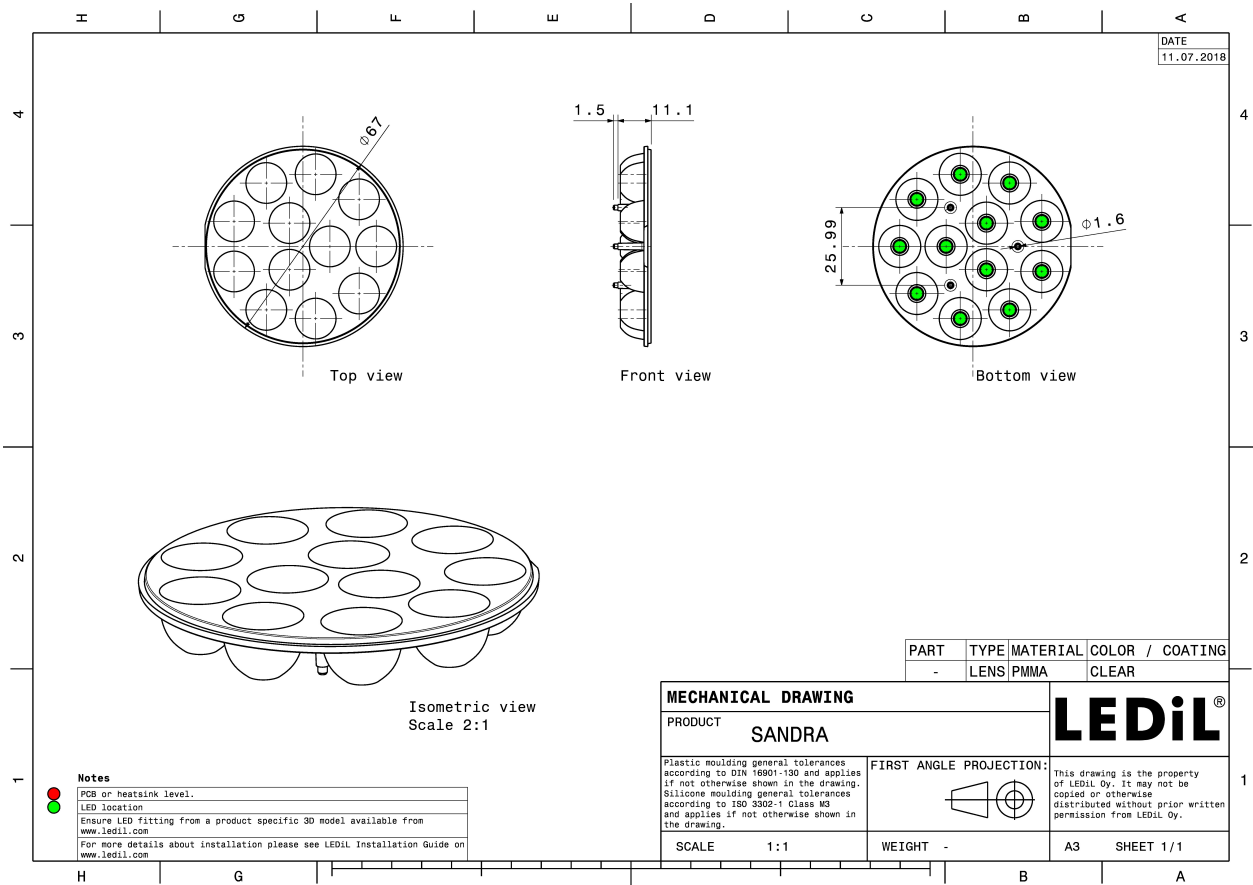
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 67.0 mm
Height	11.1 mm
Fastening	glue, pin
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	7.9 kg
Quantity in Box	306 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

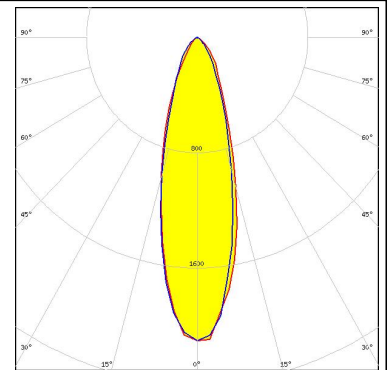
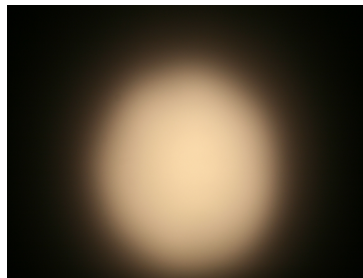
Component	Type	Material	Colour
SANDRA-12-W	Lens array	PMMA	clear



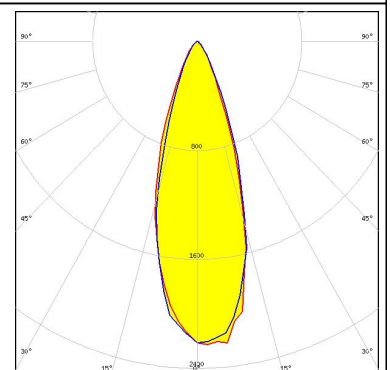
PHOTOMETRIC DATA (MEASURED):



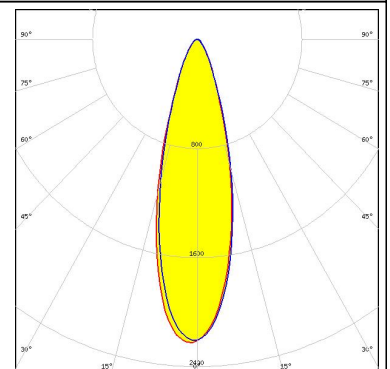
LED XP-E
FWHM 30.0°
Efficiency 84 %
Peak intensity 2.100 cd/lm
Required components:



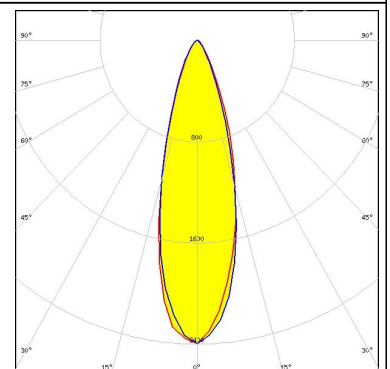
LED XP-G
FWHM 34.0°
Efficiency 91 %
Peak intensity 2.200 cd/lm
Required components:



LED NCSxx19A
FWHM 29.0°
Efficiency 87 %
Peak intensity 2.200 cd/lm
Required components:



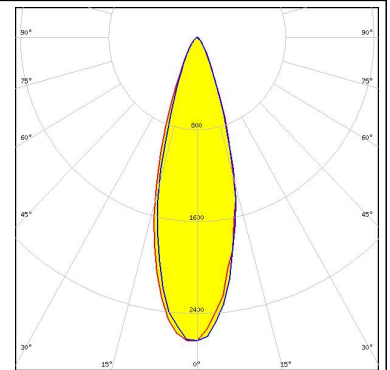
LED NVSxx19A
FWHM 30.0°
Efficiency 87 %
Peak intensity 2.400 cd/lm
Required components:



PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED Oslon SSL 80
FWHM 30.0°
Efficiency 90 %
Peak intensity 2.600 cd/lm
Required components:



SEOL
SEOUL SEMICONDUCTOR

LED Z5
FWHM 36.0°
Efficiency %
Peak intensity cd/lm
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:

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