

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China









SANDRA-12-M

~30° medium 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 7.1 kg

Quantity in Box 306 pcs

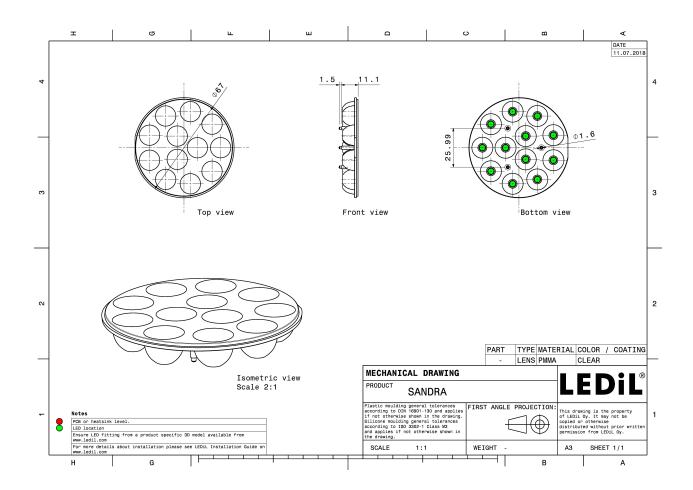
ROHS compliant yes 1



MATERIAL SPECIFICATIONS:

ComponentTypeMaterialColourSANDRA-12-MLens arrayPMMAclear





PHOTOMETRIC DATA (MEASURED):

CREE \$

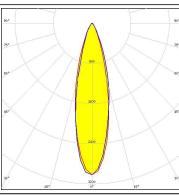
LED XP-E

FWHM 26.0°

Efficiency 83 %

Peak intensity 3.000 cd/lm

Required components:



CREE \$

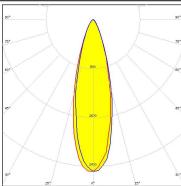
LED XP-G

FWHM 28.0°

Efficiency 91 %

Peak intensity 2.500 cd/lm

Required components:



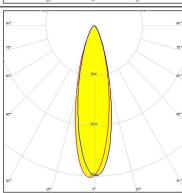
WNICHIA

LED NCSxx19A

FWHM 27.0°

Efficiency 86 %

Peak intensity 2.400 cd/lm Required components:



*M***NICHIA**

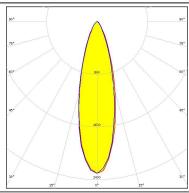
LED NVSxx19A

FWHM 30.0°

Efficiency 86 %

Peak intensity 2.300 cd/lm

Required components:



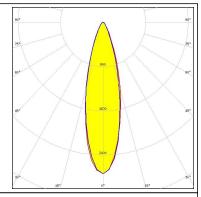


PHOTOMETRIC DATA (MEASURED):

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V	\mathbf{c}	π	m	IVI

LED Oslon SSL 80

FWHM 28.0°
Efficiency 90 %
Peak intensity 2.700 cd/lm
Required components:



SEOUL SEMICONDUCTOR

LED Z5

FWHM 28.0°

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:

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.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

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