



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!



Contact us

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

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



VERONICA-SQ-RS

~13° spot beam

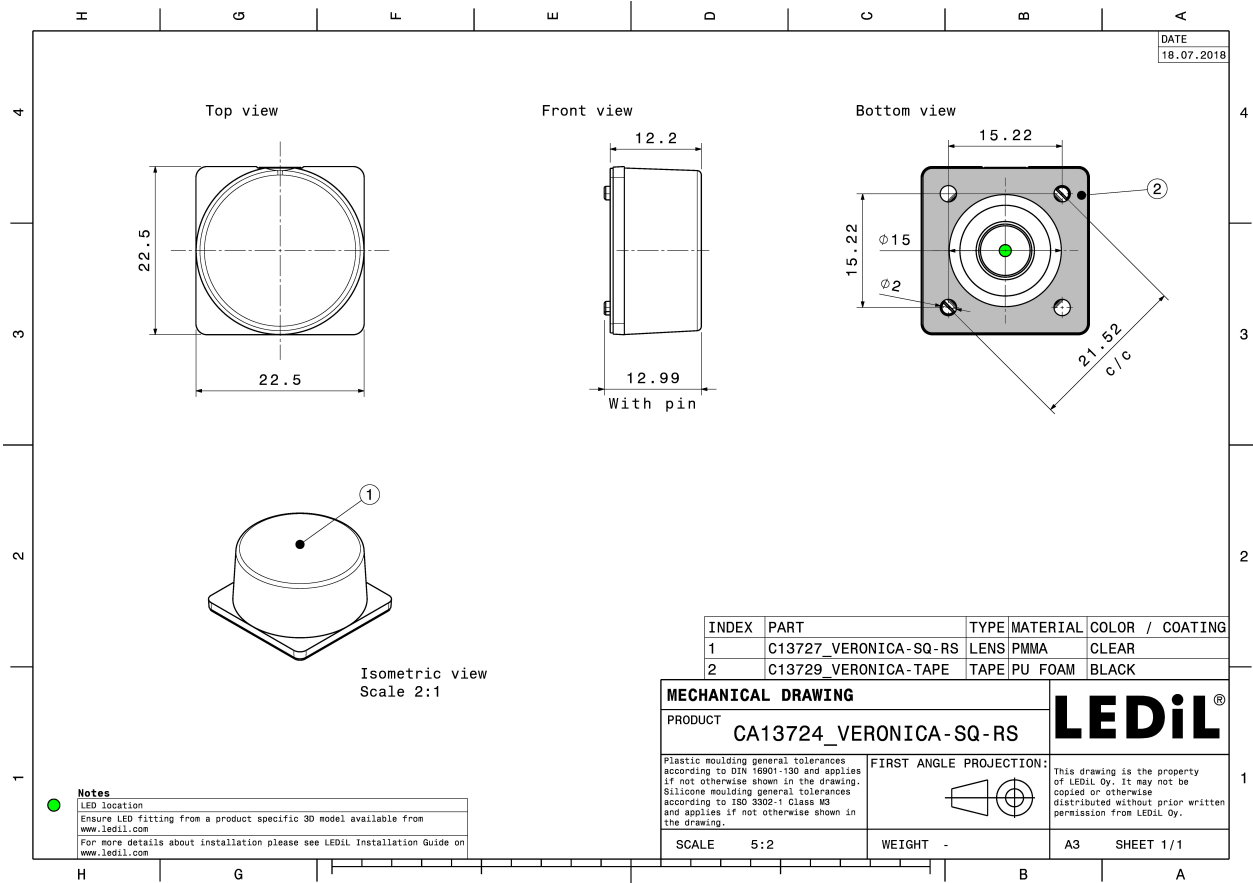
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 22.5 mm
Height	12.2 mm
Fastening	tape, pin
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	8.2 kg
Quantity in Box	1980 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

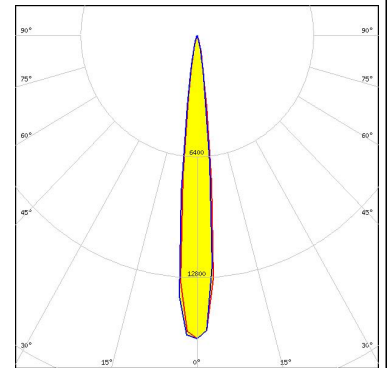
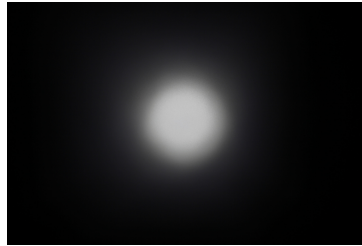
Component	Type	Material	Colour
VERONICA-SQ-RS	Lens	PMMA	clear
VERONICA-TAPE	Tape	PU tape	clear



PHOTOMETRIC DATA (MEASURED):

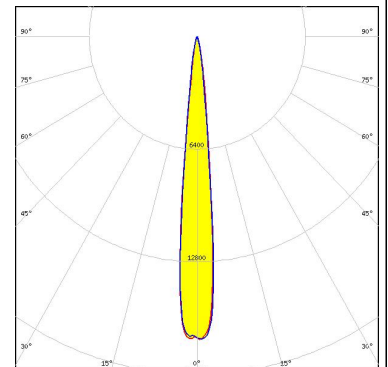
CREE 

LED XB-H
 FWHM 12.0°
 Efficiency 87 %
 Peak intensity 16.000 cd/lm
 Required components:



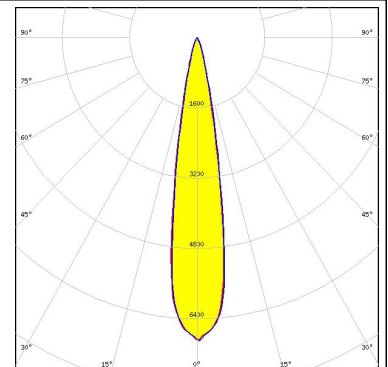
CREE 

LED XP-G2
 FWHM 11.0°
 Efficiency 90 %
 Peak intensity 18.800 cd/lm
 Required components:



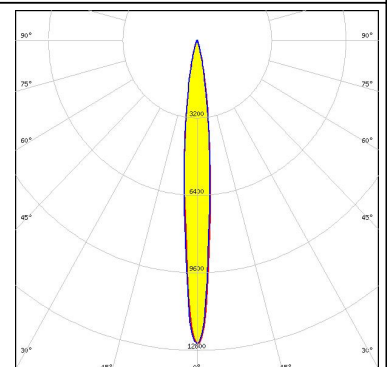
NICHIA 

LED NWSx229A
 FWHM 18.0°
 Efficiency 88 %
 Peak intensity 6.900 cd/lm
 Required components:



SAMSUNG

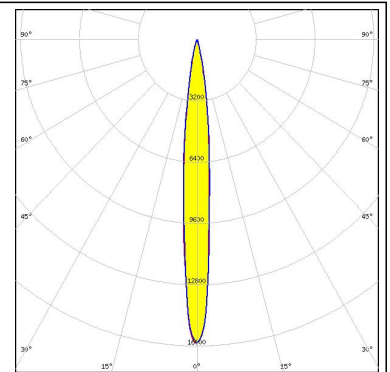
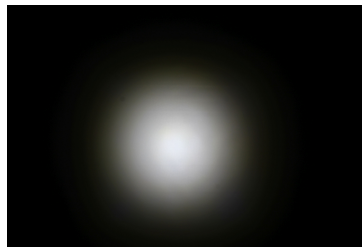
LED LH181A
 FWHM 10.0°
 Efficiency 93 %
 Peak intensity 12.500 cd/lm
 Required components:



PHOTOMETRIC DATA (MEASURED):

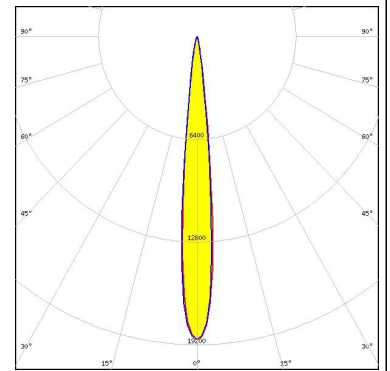
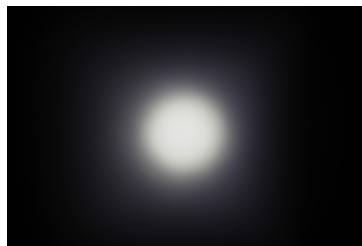
SAMSUNG

LED LH181B
FWHM 10.0°
Efficiency 94 %
Peak intensity 15.800 cd/lm
Required components:



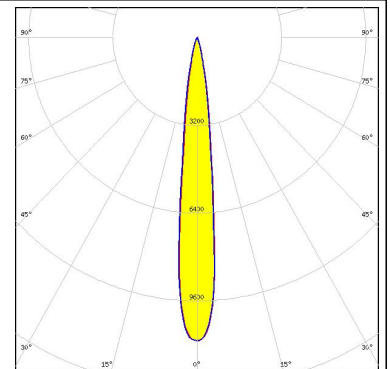
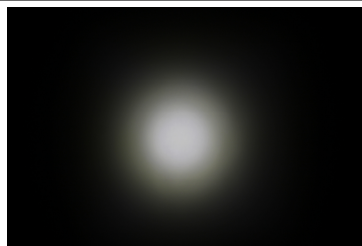
SAMSUNG

LED LH351Z
FWHM 12.0°
Efficiency 89 %
Peak intensity 18.900 cd/lm
Required components:



SEOUL SEMICONDUCTOR

LED Z8Y22P
FWHM 12.0°
Efficiency 86 %
Peak intensity 1.100 cd/lm
Required components:



PHOTOMETRIC DATA (SIMULATED):

CREE ⇄

LED XM-L
FWHM 15.0°
Efficiency 91 %
Peak intensity cd/Im
Required components:

CREE ⇄

LED XM-L2
FWHM 15.0°
Efficiency 92 %
Peak intensity cd/Im
Required components:

CREE ⇄

LED XP-E
FWHM 8.0°
Efficiency 92 %
Peak intensity cd/Im
Required components:

CREE ⇄

LED XP-E2
FWHM 8.0°
Efficiency 92 %
Peak intensity cd/Im
Required components:

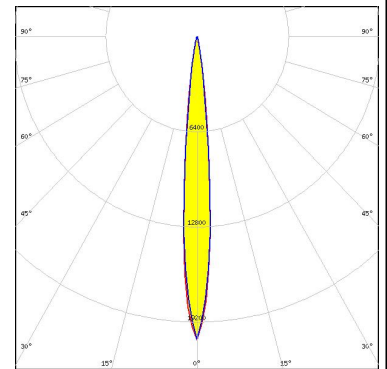
PHOTOMETRIC DATA (SIMULATED):

CREE

LED XP-G
FWHM 10.0°
Efficiency 92 %
Peak intensity cd/lm
Required components:

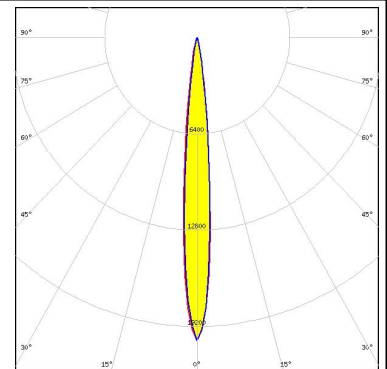
CREE

LED XT-E
FWHM 10.0°
Efficiency 90 %
Peak intensity cd/lm
Required components:



LUMILEDS

LED LUXEON 3030 HV
FWHM 10.0°
Efficiency 94 %
Peak intensity 20.970 cd/lm
Required components:



LUMILEDS

LED LUXEON A
FWHM 11.0°
Efficiency 90 %
Peak intensity cd/lm
Required components:

PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

LED LUXEON R
FWHM 11.0°
Efficiency 90 %
Peak intensity cd/lm
Required components:

LUMILEDS

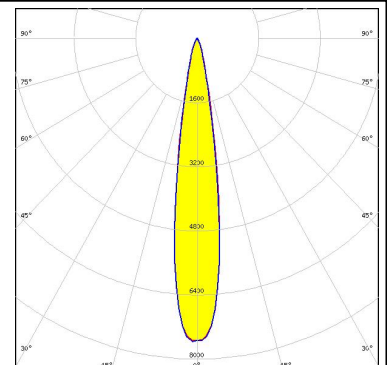
LED LUXEON Rebel
FWHM 9.0°
Efficiency 90 %
Peak intensity cd/lm
Required components:

LUMILEDS

LED LUXEON Rebel ES
FWHM 11.0°
Efficiency 90 %
Peak intensity cd/lm
Required components:

LUMILEDS

LED LUXEON V
FWHM 17.0°
Efficiency 94 %
Peak intensity 7.600 cd/lm
Required components:



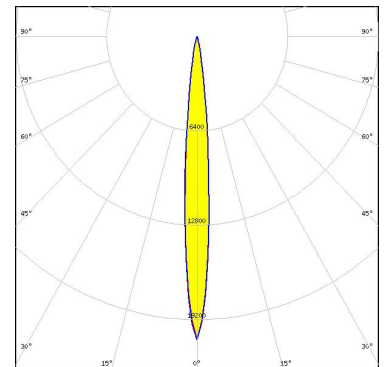
PHOTOMETRIC DATA (SIMULATED):



LED NCSxx19A
FWHM 8.0°
Efficiency 88 %
Peak intensity cd/lm
Required components:



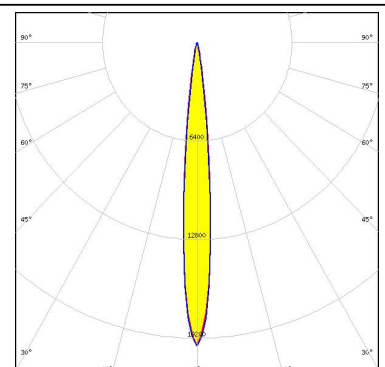
LED NVSxE21A
FWHM 9.4°
Efficiency 94 %
Peak intensity 20.600 cd/lm
Required components:



LED NVSxx19B/NVSxx19C
FWHM 11.0°
Efficiency 89 %
Peak intensity cd/lm
Required components:



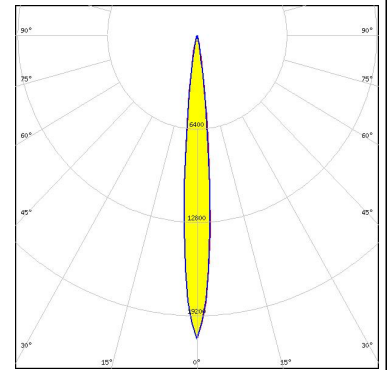
LED Oslon Square EC
FWHM 10.0°
Efficiency 94 %
Peak intensity 20.200 cd/lm
Required components:



PHOTOMETRIC DATA (SIMULATED):

OSRAM
Opto Semiconductors

LED Oslon Square Gen3
FWHM 10.0°
Efficiency 94 %
Peak intensity 20.800 cd/lm
Required components:



OSRAM
Opto Semiconductors

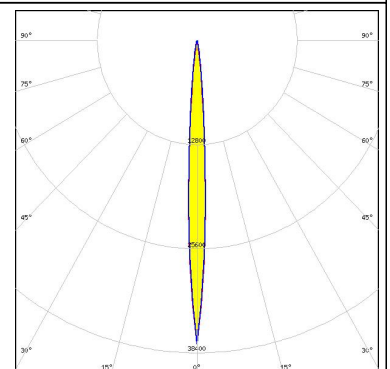
LED Oslon Square PC
FWHM 10.0°
Efficiency 90 %
Peak intensity cd/lm
Required components:

OSRAM
Opto Semiconductors

LED Oslon SSL 150
FWHM 8.0°
Efficiency 91 %
Peak intensity cd/lm
Required components:

OSRAM
Opto Semiconductors

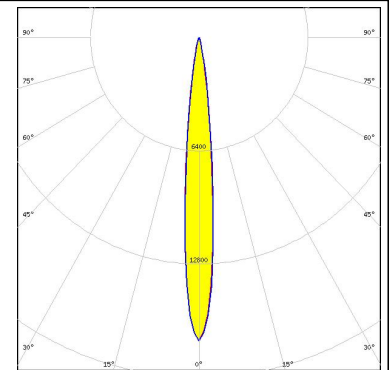
LED Oslon SSL 80
FWHM 7.0°
Efficiency 90 %
Peak intensity cd/lm
Required components:



PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

LED LH181B
FWHM 11.0°
Efficiency 94 %
Peak intensity 17.000 cd/lm
Required components:



SAMSUNG

LED LH351B
FWHM 12.0°
Efficiency 93 %
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.

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