



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-SE

~190° side emitter beam

### TECHNICAL SPECIFICATIONS:

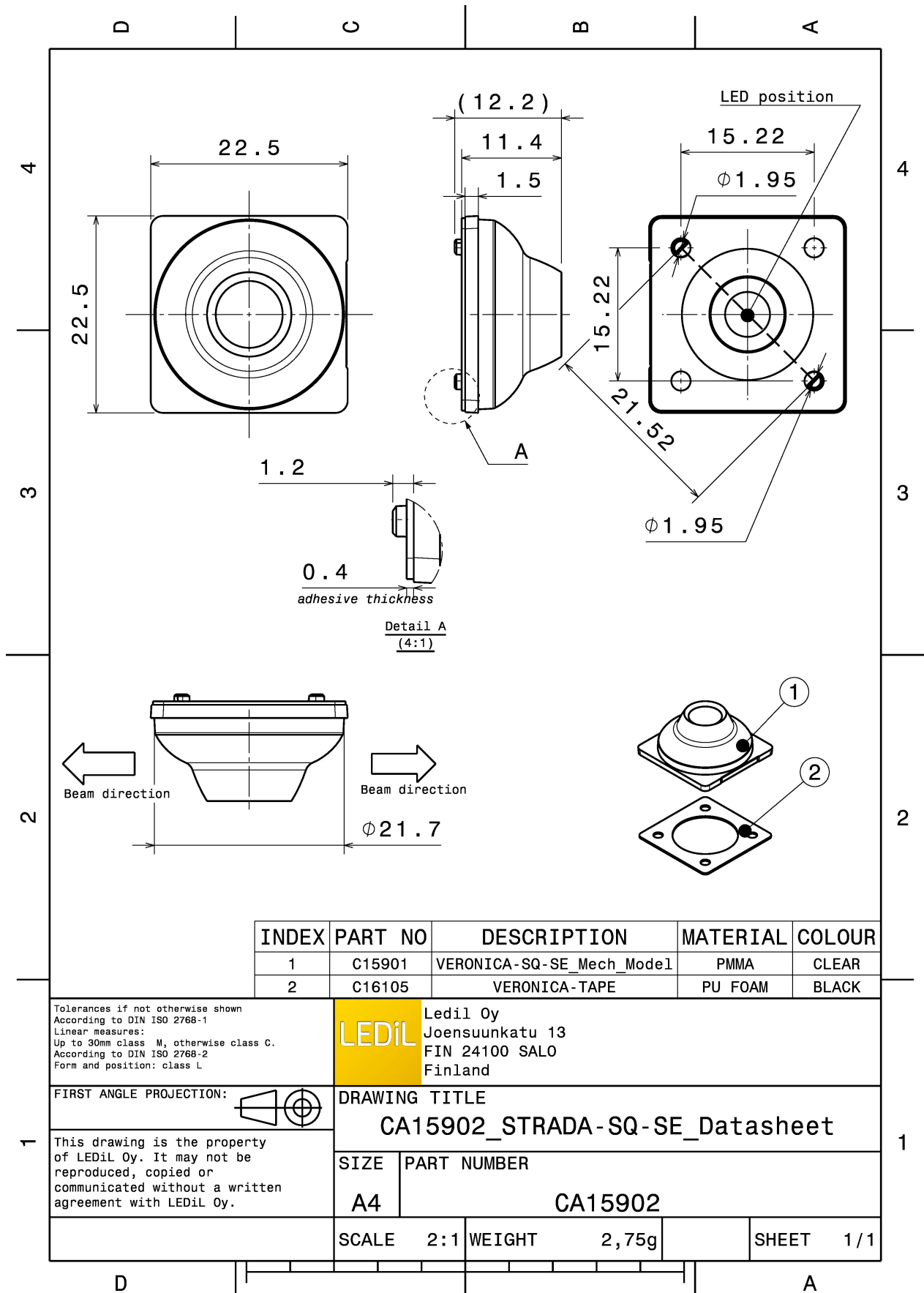
Dimensions	22.5 mm
Height	11.4 mm
Fastening	tape
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	9.6 kg
Quantity in Box	3060 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
VERONICA-SQ-SE	Lens	PMMA	clear
VERONICA-TAPE	Tape		

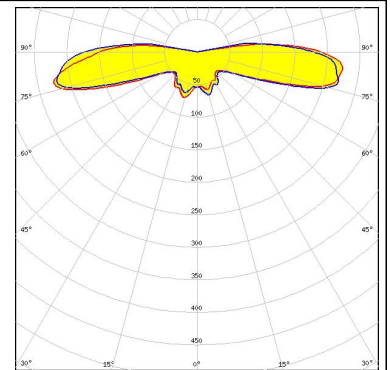




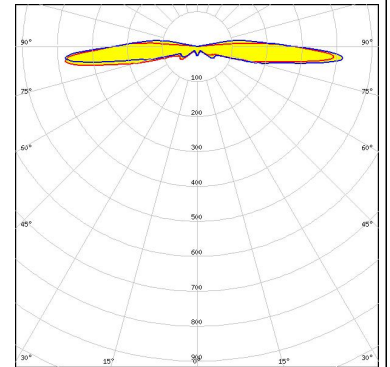
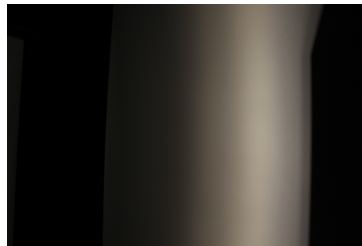
#### PHOTOMETRIC DATA (MEASURED):



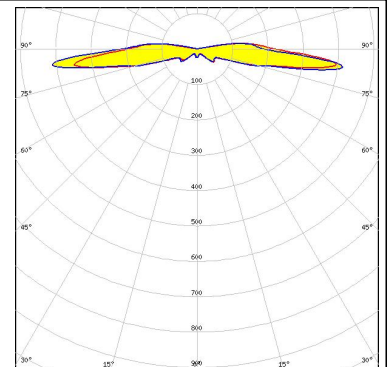
LED XHP70.2  
FWHM Asymmetric  
Efficiency 84 %  
Peak intensity 0.240 cd/lm  
Required components:



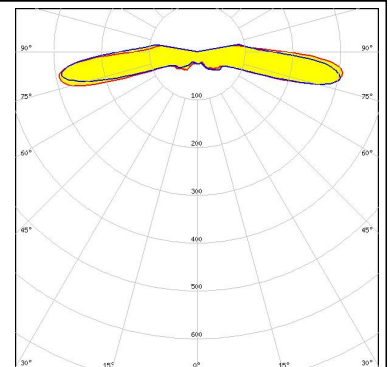
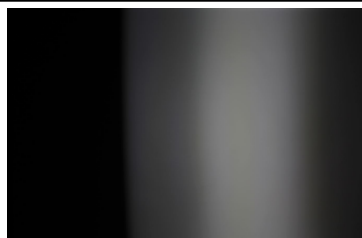
LED XP-G2  
FWHM 184.0°  
Efficiency 87 %  
Peak intensity 0.440 cd/lm  
Required components:



LED XP-L HI  
FWHM Asymmetric  
Efficiency 87 %  
Peak intensity 0.450 cd/lm  
Required components:



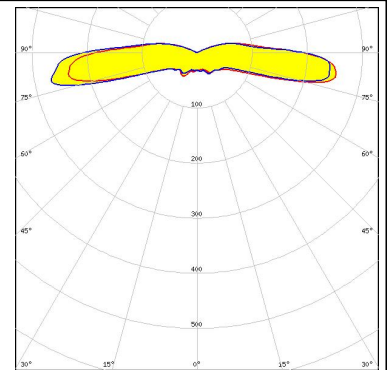
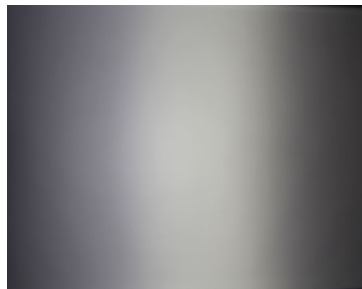
LED LUXEON 5050  
FWHM 180.0°  
Efficiency 87 %  
Peak intensity 0.310 cd/lm  
Required components:



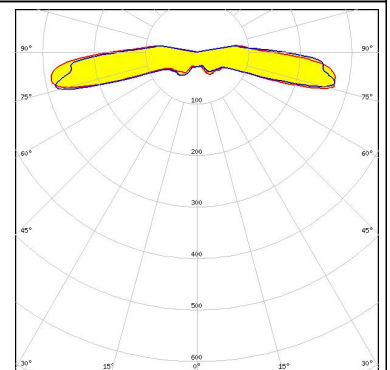
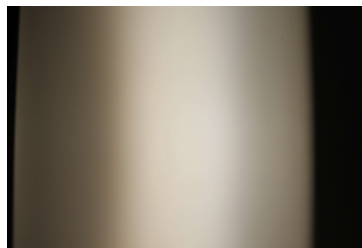
#### PHOTOMETRIC DATA (MEASURED):



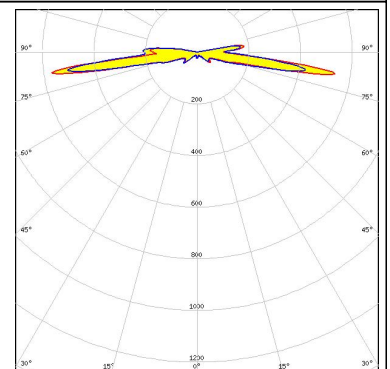
LED LUXEON M/MX  
 FWHM 189.0°  
 Efficiency 91 %  
 Peak intensity 2.700 cd/lm  
 Required components:



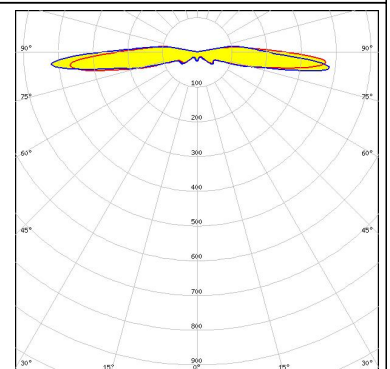
LED Duris S8  
 FWHM 182.0°  
 Efficiency 87 %  
 Peak intensity 0.300 cd/lm  
 Required components:



LED Oslon Black Flat  
 FWHM Asymmetric  
 Efficiency 89 %  
 Peak intensity 0.600 cd/lm  
 Required components:



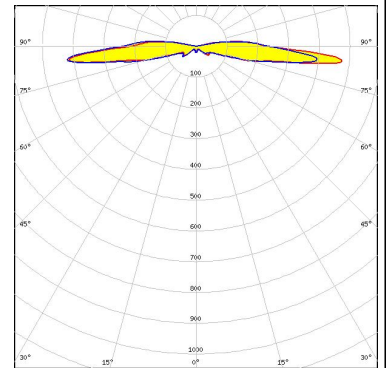
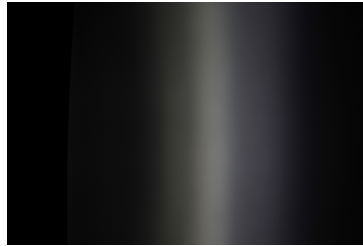
LED Oslon Square Gen3  
 FWHM Asymmetric  
 Efficiency 88 %  
 Peak intensity 0.430 cd/lm  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

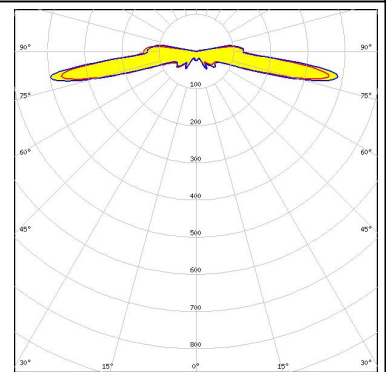
**OSRAM**  
Opto Semiconductors

LED Oslon SSL 150  
FWHM 182.0°  
Efficiency 89 %  
Peak intensity 0.490 cd/lm  
Required components:



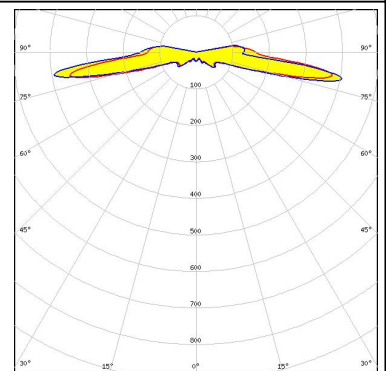
**SAMSUNG**

LED LH181A  
FWHM Asymmetric  
Efficiency 91 %  
Peak intensity 0.450 cd/lm  
Required components:



**SAMSUNG**

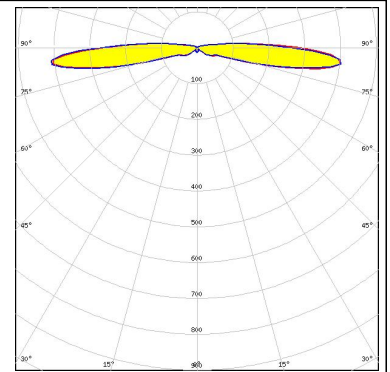
LED LH181B  
FWHM 171.0°  
Efficiency 88 %  
Peak intensity 0.450 cd/lm  
Required components:



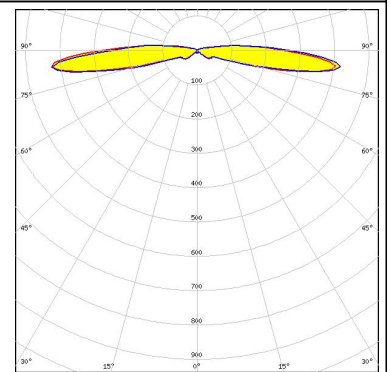
#### PHOTOMETRIC DATA (SIMULATED):



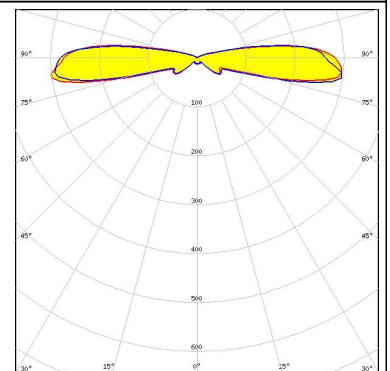
LED LUXEON C Colors  
FWHM 183.0°  
Efficiency 92 %  
Peak intensity 0.450 cd/lm  
Required components:



LED Oslon SSL 150 Colors  
FWHM 183.0°  
Efficiency 94 %  
Peak intensity 0.450 cd/lm  
Required components:



LED Oslon SSL 80 Colors  
FWHM 198.0°  
Efficiency 94 %  
Peak intensity 0.310 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:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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