

## VERONICA-SQ-RS

~13° spot beam

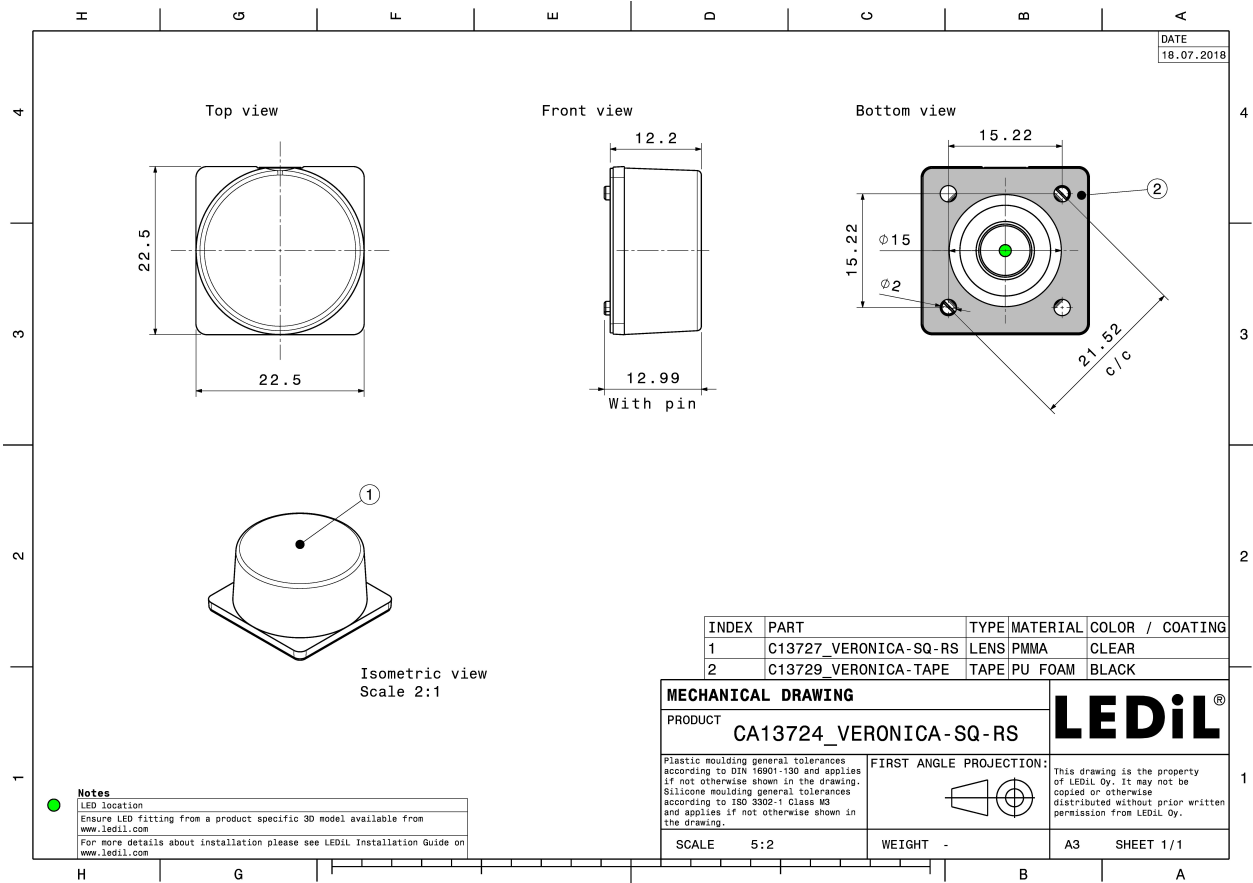
### TECHNICAL SPECIFICATIONS:

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:

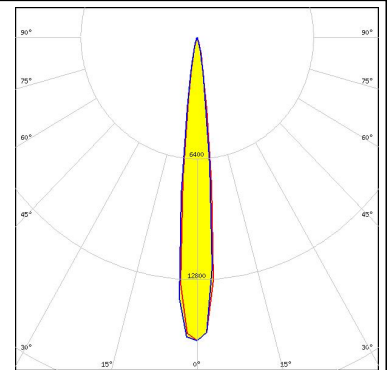
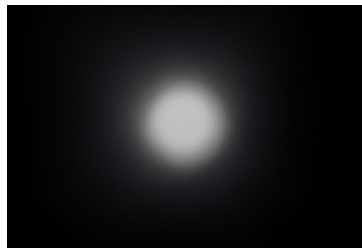
Component	Type	Material	Colour
VERONICA-SQ-RS	Lens	PMMA	clear
VERONICA-TAPE	Tape	PU tape	clear



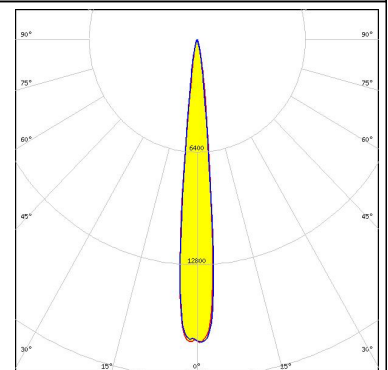
#### PHOTOMETRIC DATA (MEASURED):



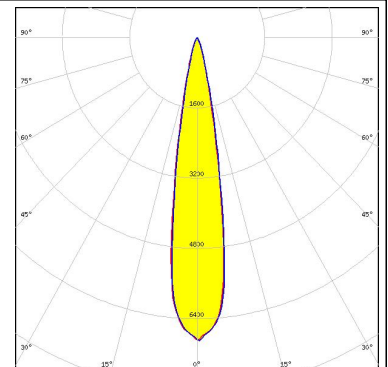
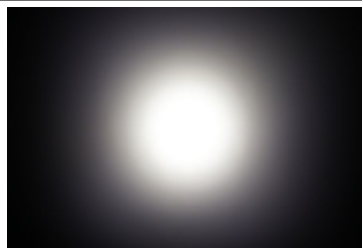
LED XB-H  
 FWHM 12.0°  
 Efficiency 87 %  
 Peak intensity 16.000 cd/lm  
 Required components:



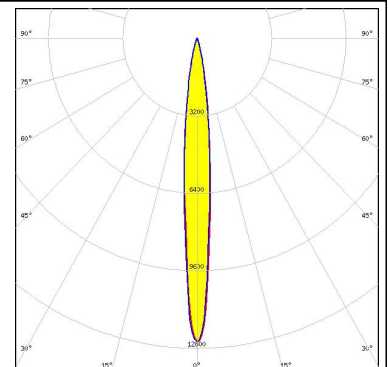
LED XP-G2  
 FWHM 11.0°  
 Efficiency 90 %  
 Peak intensity 18.800 cd/lm  
 Required components:



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



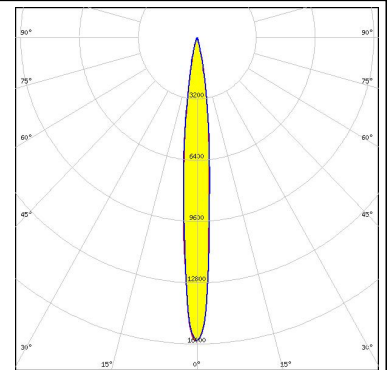
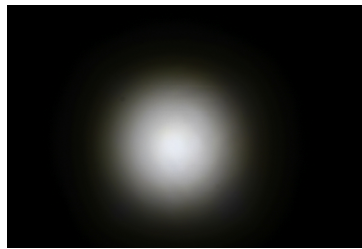
LED LH181A  
 FWHM 10.0°  
 Efficiency 93 %  
 Peak intensity 12.500 cd/lm  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

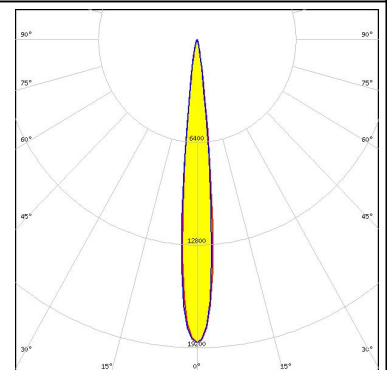
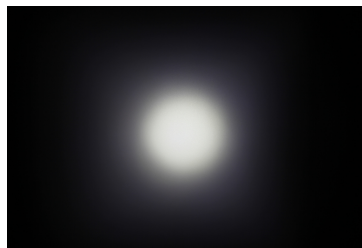
#### SAMSUNG

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



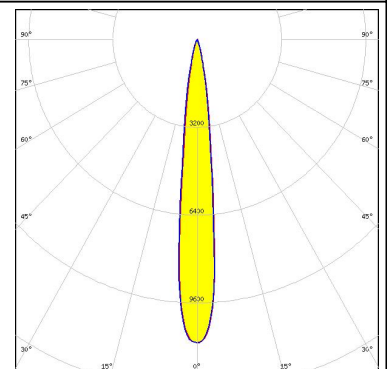
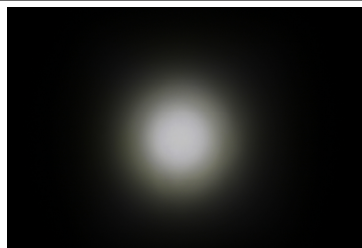
#### SAMSUNG

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:

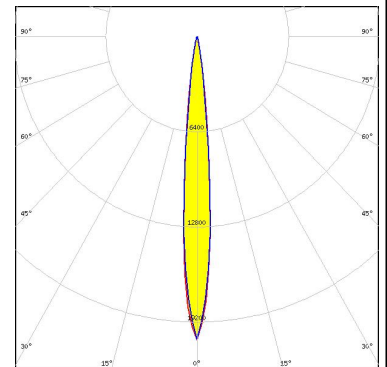
### PHOTOMETRIC DATA (SIMULATED):

#### CREE

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

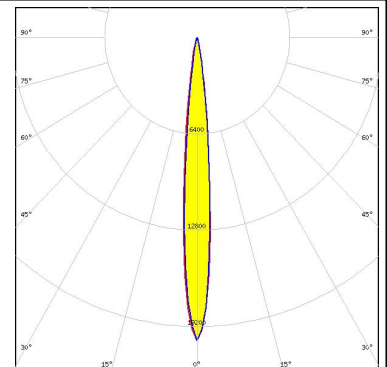
#### CREE

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

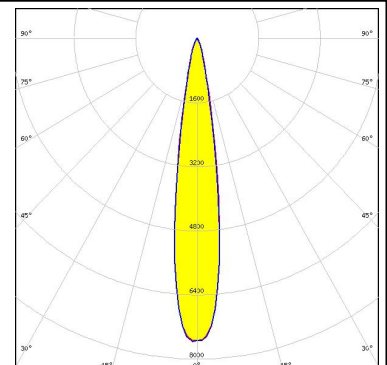
LED LUXEON Rebel  
FWHM 9.0°  
Efficiency 90 %  
Peak intensity cd/lm  
Required components:

#### 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:



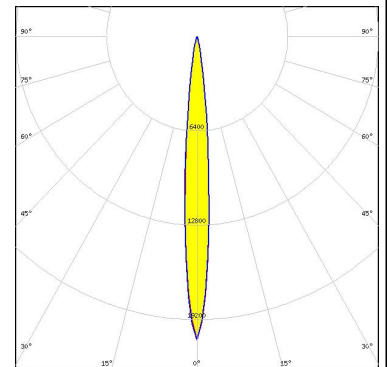
#### PHOTOMETRIC DATA (SIMULATED):



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



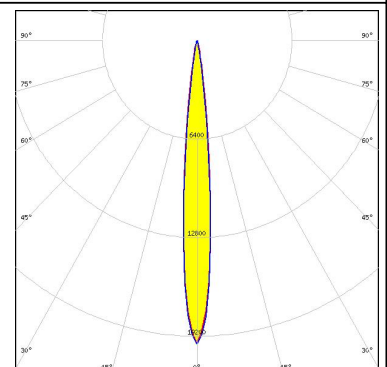
LED NVSxE21A  
FWHM 9.4°  
Efficiency 94 %  
Peak intensity 20.600 cd/lm  
Required components:



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:

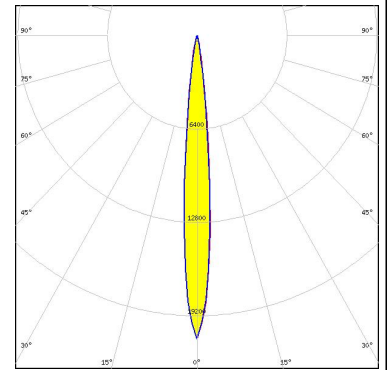




#### PHOTOMETRIC DATA (SIMULATED):

**OSRAM**  
Opto Semiconductors

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



**OSRAM**  
Opto Semiconductors

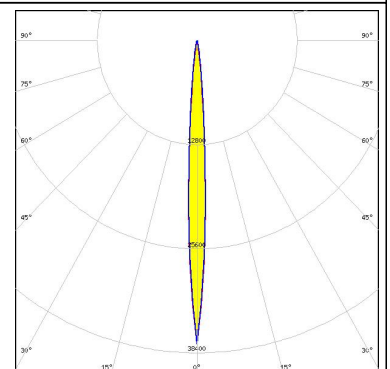
LED Oslon Square PC  
FWHM 10.0°  
Efficiency 90 %  
Peak intensity cd/lm  
Required components:

**OSRAM**  
Opto Semiconductors

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

**OSRAM**  
Opto Semiconductors

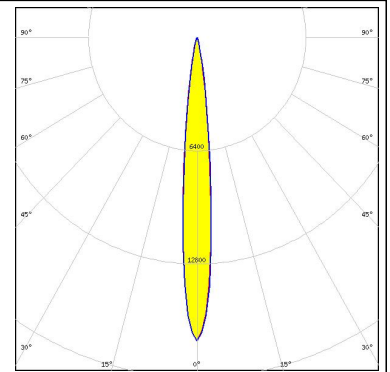
LED Oslon SSL 80  
FWHM 7.0°  
Efficiency 90 %  
Peak intensity cd/lm  
Required components:



#### 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:

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