

## CRYSTAL-RS

~5.1° spot beam

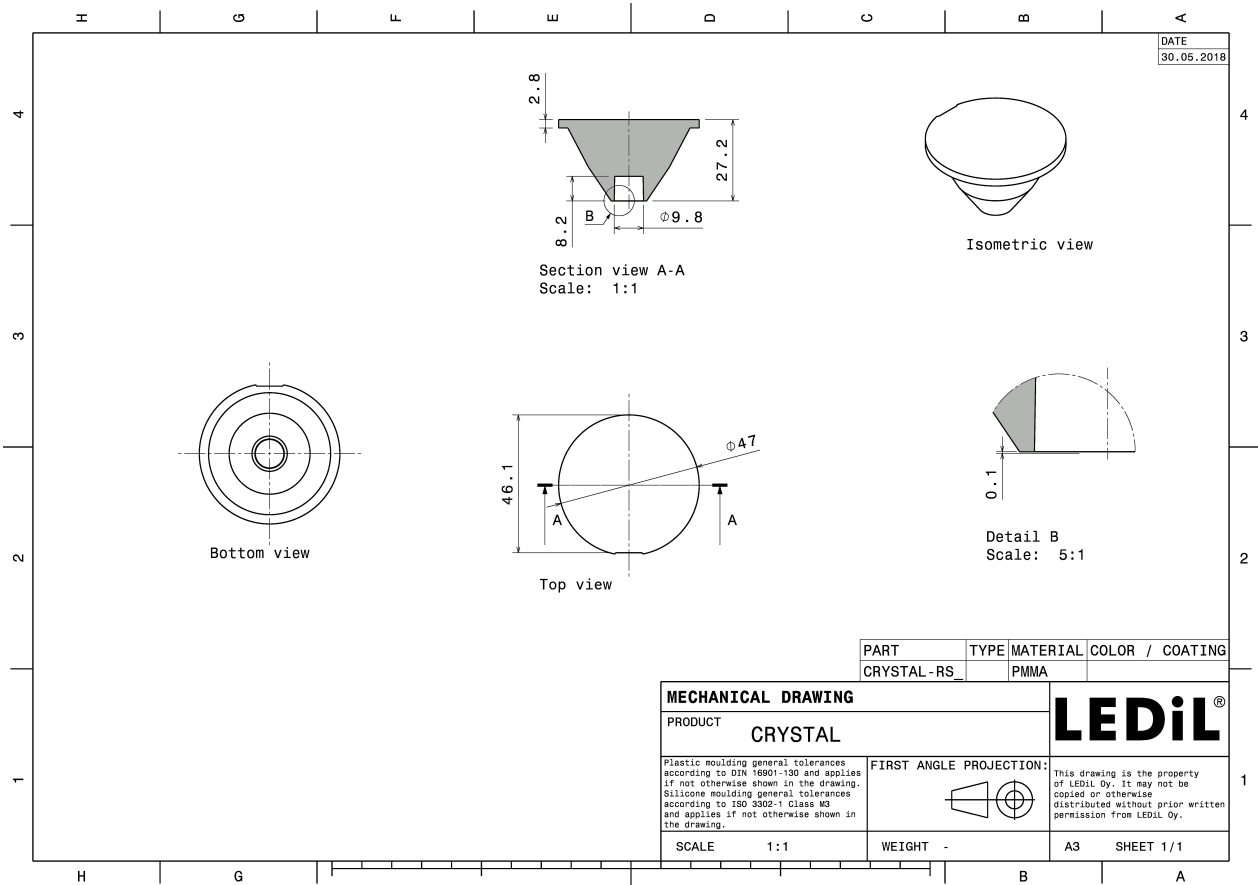
### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 46.8 mm
Height	27.4 mm
Fastening	snaps
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	8.6 kg
Quantity in Box	288 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

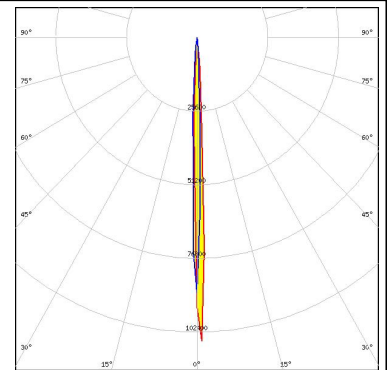
Component	Type	Material	Colour
CRYSTAL-RS	Single lens	PMMA	clear



#### PHOTOMETRIC DATA (MEASURED):



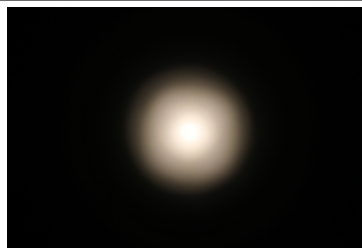
LED XP-E  
FWHM 3.3°  
Efficiency 93 %  
Peak intensity 106.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



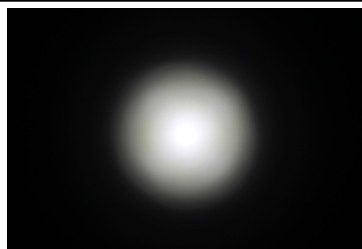
LED XP-G  
FWHM 4.9°  
Efficiency 89 %  
Peak intensity 68.290 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED LUXEON A  
FWHM 5.1°  
Efficiency 89 %  
Peak intensity 58.900 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



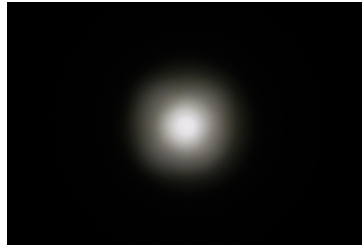
LED NVSxx19B/NVSxx19C  
FWHM 5.3°  
Efficiency 89 %  
Peak intensity 42.500 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



## PHOTOMETRIC DATA (MEASURED):

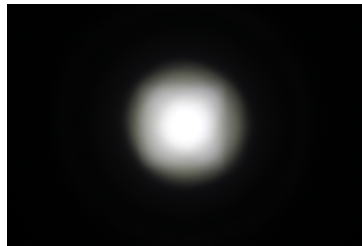
### SAMSUNG

LED LH351B  
FWHM 5.3°  
Efficiency 90 %  
Peak intensity 57.030 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### SAMSUNG

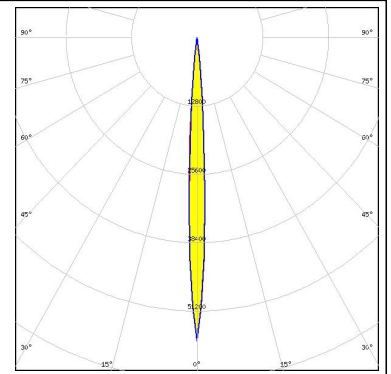
LED LH351Z  
FWHM 4.4°  
Efficiency 90 %  
Peak intensity 77.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



## PHOTOMETRIC DATA (SIMULATED):

### SAMSUNG

LED LH351B  
FWHM 6.0°  
Efficiency 94 %  
Peak intensity 56.800 cd/lm  
LEDs/each optic 1  
Light colour White  
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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