

## ROSE-MRK-S

~30° spot beam. Assembly with white holder.

### TECHNICAL SPECIFICATIONS:

Dimensions	21.6 x 21.6 mm
Height	13 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

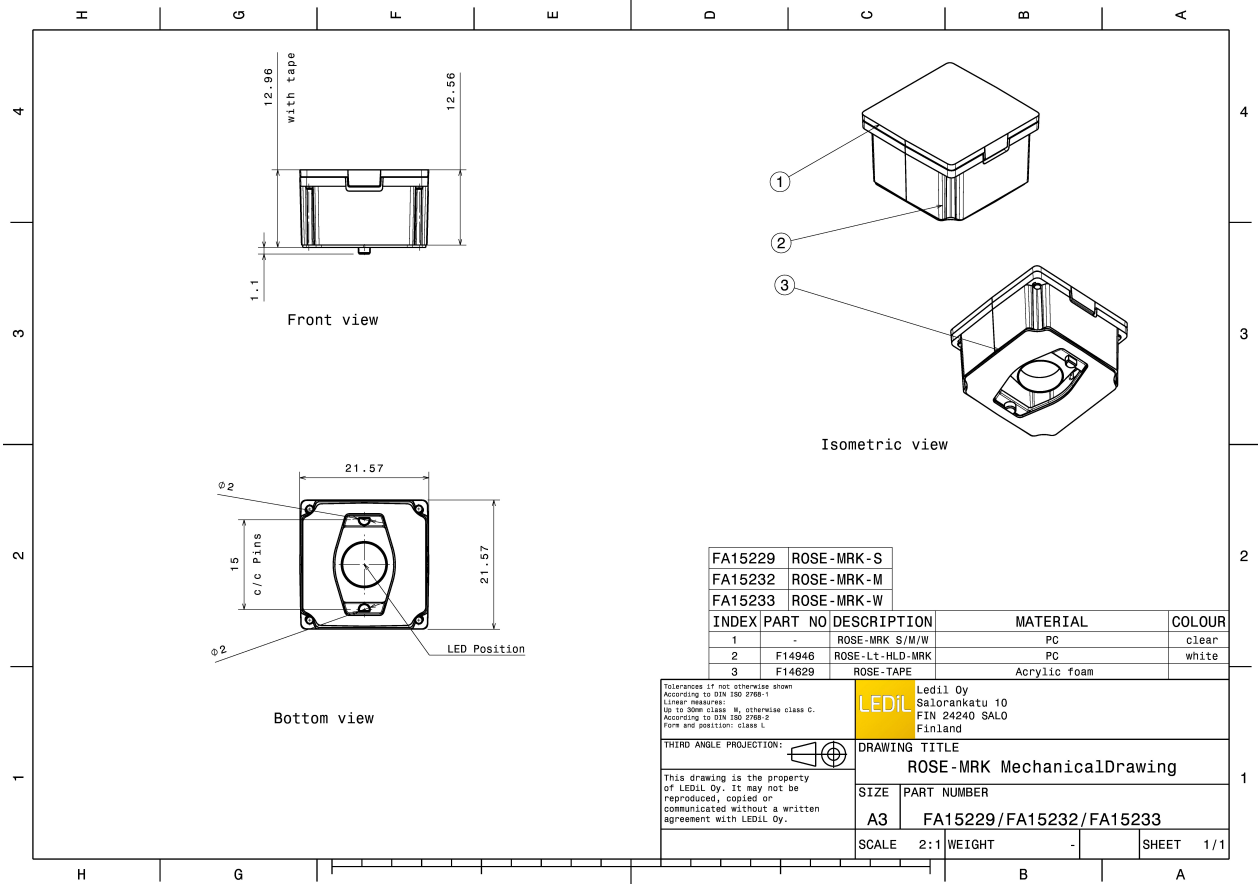
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
ROSE-MRK-S	Single lens	PC	clear	
ROSE-MRK-LT-HLD	Holder	PC	white	
ROSE-TAPE	Tape	Acrylic foam	black	




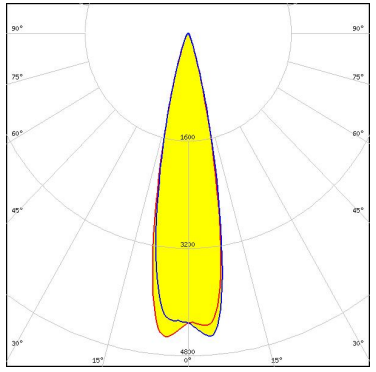

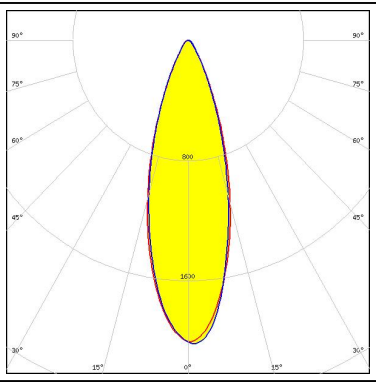
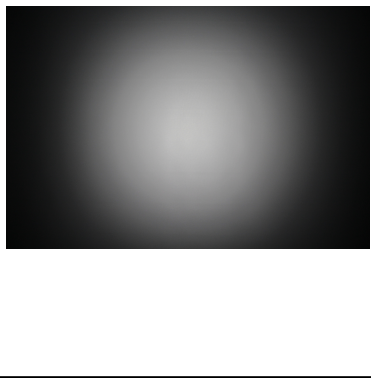
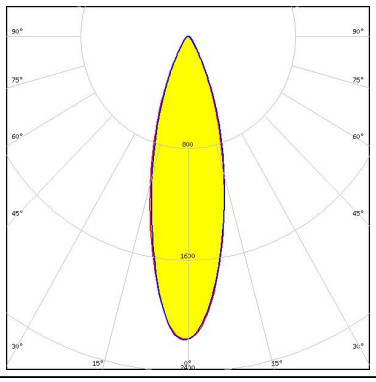

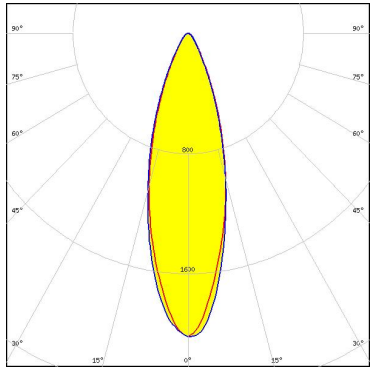
### ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
FA15229_ROSE-MRK-S	Single lens	2304	288	144	9.5
» Box size: 457 x 260 x 260 mm					



See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

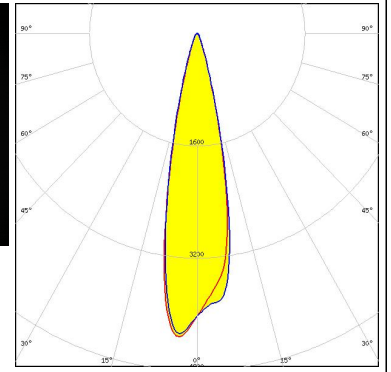
#### PHOTOMETRIC DATA (MEASURED):

<p><b>CREE</b> LED</p> <p>LED XP-E2            FWHM / FWTM 23.0° / 38.0°            Efficiency 86 %            Peak intensity 4.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON 5050 Round LES            FWHM / FWTM 33.0° / 61.0°            Efficiency 86 %            Peak intensity 2 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON M/MX            FWHM / FWTM 29.0° / 61.0°            Efficiency 86 %            Peak intensity 2.2 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED Duris S8            FWHM / FWTM 31.0° / 62.0°            Efficiency 86 %            Peak intensity 2 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

### PHOTOMETRIC DATA (MEASURED):

**OSRAM**  
Opto Semiconductors

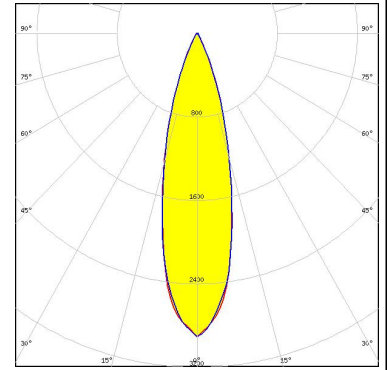
LED OSLON SSL 150  
FWHM / FWTM 23.0° / 39.0°  
Efficiency 85 %  
Peak intensity 4.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



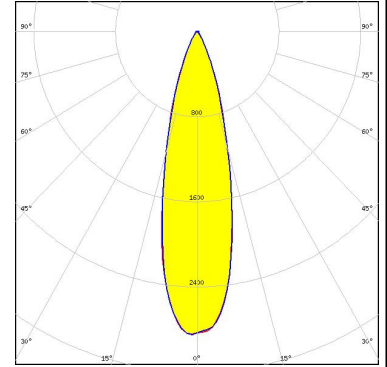
#### PHOTOMETRIC DATA (SIMULATED):



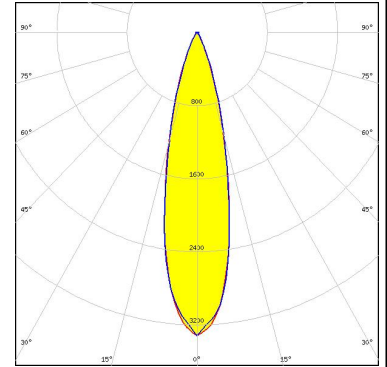
LED XHP50  
 FWHM / FWTM 27.0° / 50.0°  
 Efficiency 87 %  
 Peak intensity 2.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



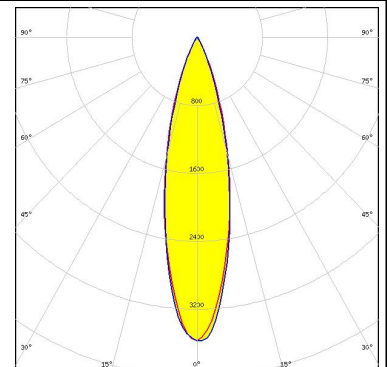
LED XHP50.2  
 FWHM / FWTM 26.0° / 52.0°  
 Efficiency 85 %  
 Peak intensity 2.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:





LED XHP50.3 HD  
 FWHM / FWTM 24.0° / 48.0°  
 Efficiency 85 %  
 Peak intensity 3.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

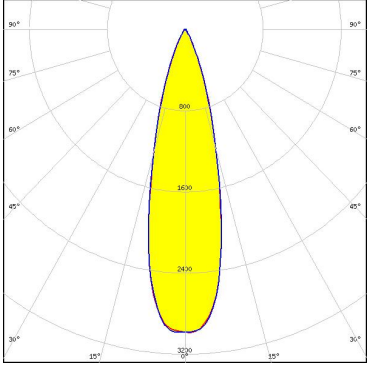


LED LUXEON 5050 Square LES  
 FWHM / FWTM 26.0° / 50.0°  
 Efficiency 95 %  
 Peak intensity 3.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (SIMULATED):

	
LED	NFMW48xA
FWHM / FWTM	23.0° / 49.0°
Efficiency	88 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	
LED	NV4x144A
FWHM / FWTM	26.0° / 50.0°
Efficiency	85 %
Peak intensity	3 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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