

## LXP-RS

~9.6° spot beam optimized for CREE XP-E. 14.7 mm high assembly with installation tape.

### SPECIFICATION:

Dimensions	Ø 21.6 mm
Height	14.7 mm
Fastening	tape
ROHS compliant	yes ⓘ

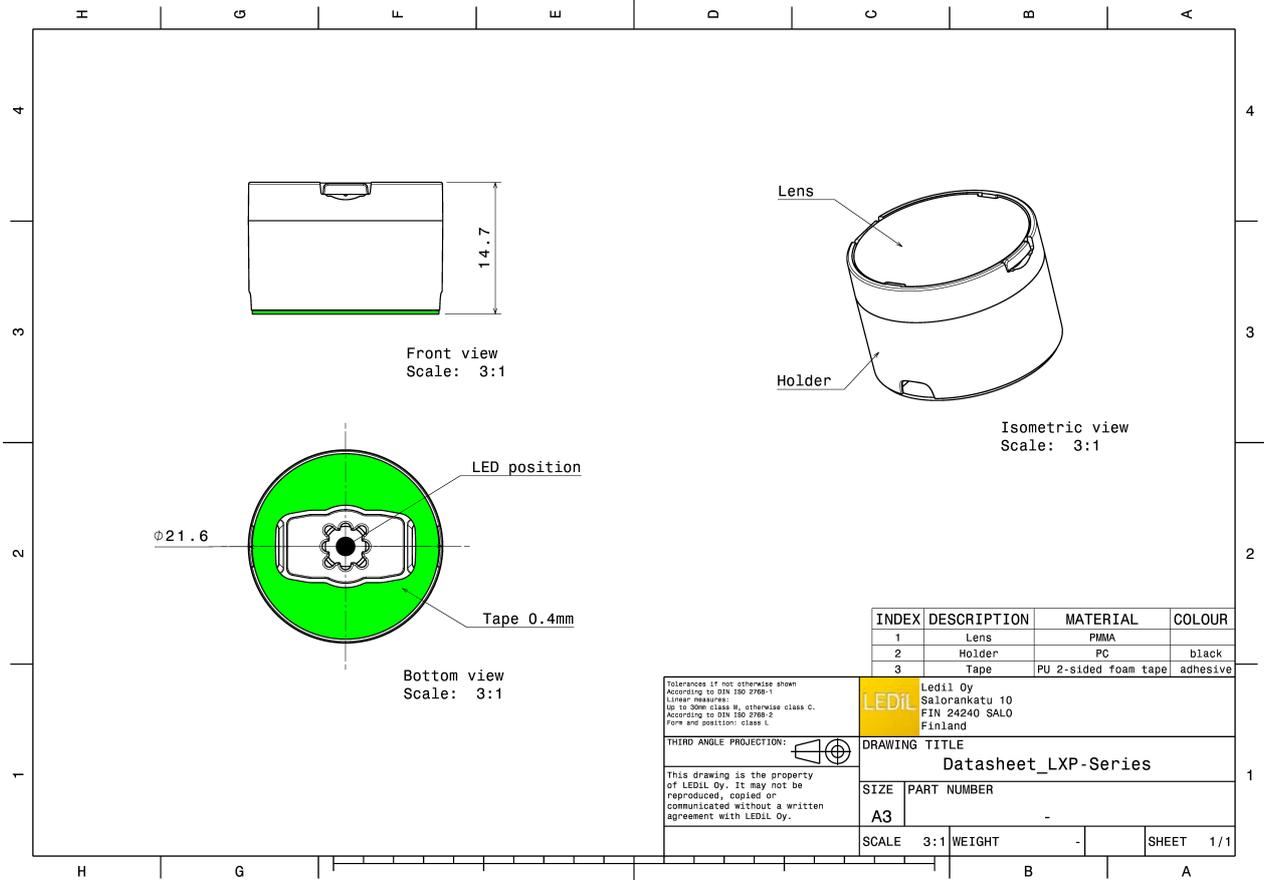


### MATERIALS:

Component	Type	Material	Colour	Finish
LR1-RS	Single lens	PMMA	clear	
LXP-LH1-TAPE-BLK	Holder	PC	black	
LEILA-TAPE	Tape	Acrylic foam	black	

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA10661_LXP-RS	Single lens	2304	288	144	11.5
» Box size: 470 x 235 x 270 mm					

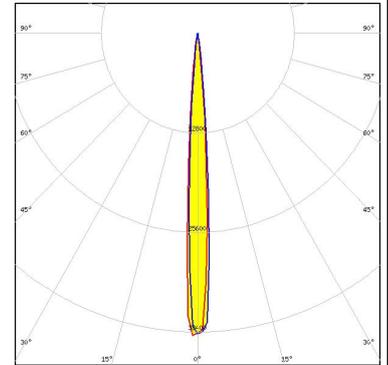


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):

#### CREE LED

LED XP-E  
 FWHM / FWTM 7.5°  
 Efficiency 92 %  
 Peak intensity 39.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

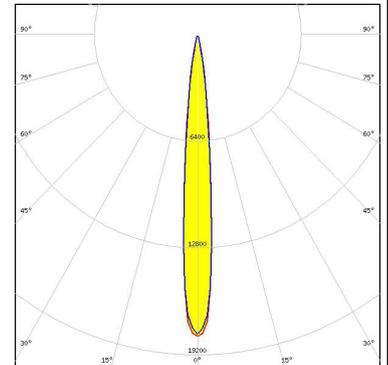


#### CREE LED

LED XP-E-HEW  
 FWHM / FWTM 10.0°  
 Efficiency 92 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:

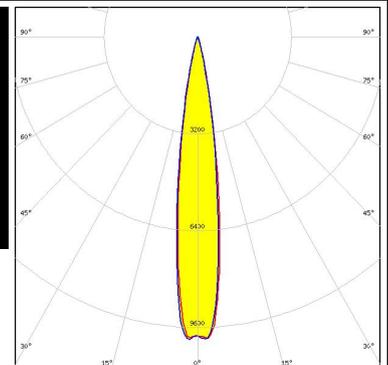
#### CREE LED

LED XP-G  
 FWHM / FWTM 11.0°  
 Efficiency 94 %  
 Peak intensity 20.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

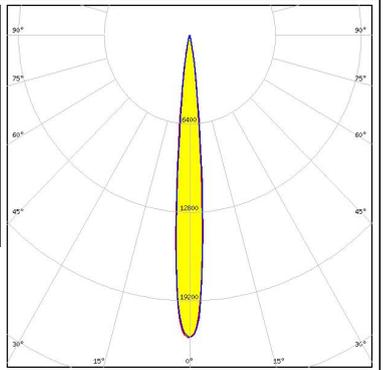
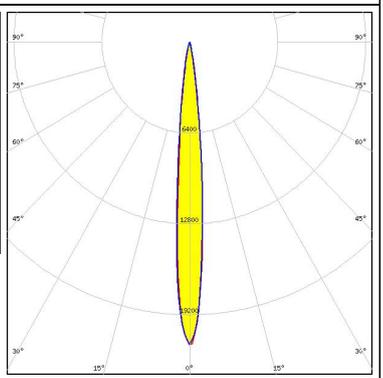


#### CREE LED

LED XP-L HD  
 FWHM / FWTM 16.0° / 28.0°  
 Efficiency 91 %  
 Peak intensity 10 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



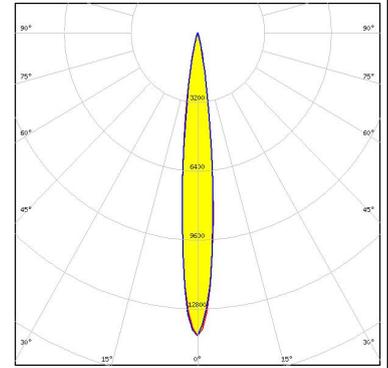
## OPTICAL RESULTS (MEASURED):

<p><b>CREE</b> LED</p> <p>LED                    XP-L HI            FWHM / FWTM      10.0° / 19.0°            Efficiency            90 %            Peak intensity       22 cd/lm            LEDs/each optic    1            Light colour         White            Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED                    OSLOM Square CSSRM2/CSSRM3            FWHM / FWTM      10.0° / 20.0°            Efficiency            93 %            Peak intensity       21 cd/lm            LEDs/each optic    1            Light colour         White            Required components:</p>		

### OPTICAL RESULTS (SIMULATED):

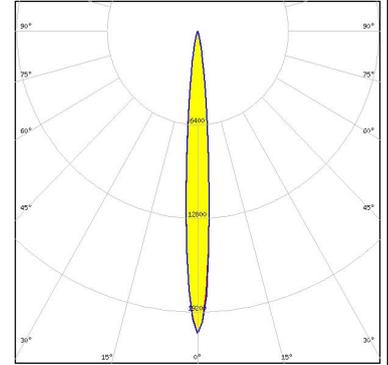
#### CREE LED

LED XP-G3  
 FWHM / FWTM 12.0° / 24.0°  
 Efficiency 86 %  
 Peak intensity 14 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



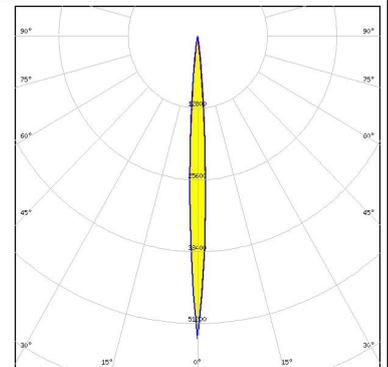
#### CREE LED

LED XT-E  
 FWHM / FWTM 9.0° / 20.0°  
 Efficiency 88 %  
 Peak intensity 20.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



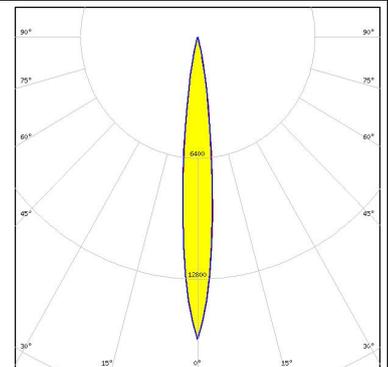
#### LUMILEDS

LED LUXEON CZ  
 FWHM / FWTM 6.0° / 14.0°  
 Efficiency 92 %  
 Peak intensity 53.9 cd/lm  
 LEDs/each optic 1  
 Light colour Red  
 Required components:

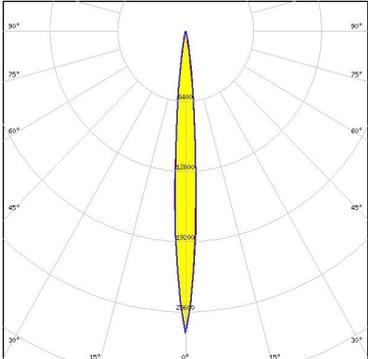
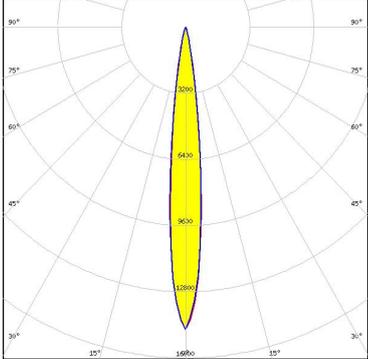
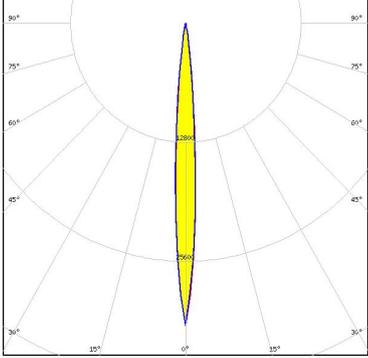


#### LUMILEDS

LED LUXEON V2  
 FWHM / FWTM 11.0° / 24.0°  
 Efficiency 93 %  
 Peak intensity 16 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### OPTICAL RESULTS (SIMULATED):

<p><b>NICHIA</b></p> <p>LED: NCSxx19B            FWHM / FWTM: 8.0° / 18.0°            Efficiency: 91 %            Peak intensity: 27.6 cd/lm            LEDs/each optic: 1            Light colour: Blue            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED: NVSxx19B/NVSxx19C            FWHM / FWTM: 12.0° / 24.0°            Efficiency: 87 %            Peak intensity: 14.6 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>SEMI</b> SEOUL SEMICONDUCTOR</p> <p>LED: Z5            FWHM / FWTM: 8.0° / 16.0°            Efficiency: 91 %            Peak intensity: 32.5 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	

### 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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